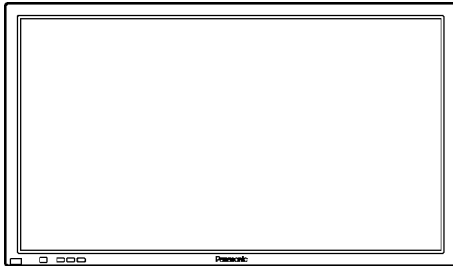


Service Manual

Wide Plasma Display



TH-42PW3 TH-42PWD3 GP3D Chassis

Specifications

Power Source: AC 230V 50/60Hz (A B and E version)
AC110V 50/60Hz (U version)
Power Consumption: 295 W
2.3W (stand-by condition)
1.4W (Main off condition)

Terminal:

AV

Video Input / Output (BNC)

1.0 Vp-p (75ohm)
NTSC PAL PAL-60 SECAM M-NTSC
S-Video input (Mini Din 4 pin)
Y 1.0 Vp-p (75ohm)
C 0.286 Vp-p (75ohm)
Audio 0.5 Vrms (RCA type)

Component/RGB In (RCA type)

Y/G 1.0 Vp-p (including Sync.)
PB/B ± 0.35 Vp-p
PR/R ± 0.35 Vp-p
HD 1.0 - 5.0 Vp-p
VD 1.0 - 5.0 Vp-p

PC

VGA
SVGA XGA SXGA UXGS(Compatible)
(High-density D-sub 15 pin)
Audio (3.0 mm) 0.5 Vrms

Speakers External speakers

Impedance 6 ohm rated input 8 W or more
recommended.

SERIAL RS-232C compatible (D-Sub 9PIN)
TUNER Optional (High-density D-Sub 26PIN)
Display : Type 42 inch (106 cm diagonal 16:9) + RC
No. of Pixels (W853 x H480)
No. of Dots (W 2559 x H 480)
Dimensions:

Display unit

Height 610 mm
Width 1020 mm
Depth 89 mm

Weight (Mass)

29.5kg net (main unit only)
33.7kg (with speakers)

Panasonic®

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Plasma Display Technology

1.1. Plasma display panel

	CRT	PDP
Scan	Dot Sequence	Line Sequence
	Interlace/ Progressive	Progressive
Emission	Dot Sequence	Simultaneous
Phosphor Excitation	Electron	Ultra Violet Lay
Brightness Control	Beam Current control	Discharge Time control (Sub-Filed Drive)

Fig. A

Panasonic 42 inch wide plasma display panel is develop for large screen multimedia display with space saving.

The plasma display panel use AC type Sub-field drive system with Dual scanning system.

This panel have also Panasonic original Asymmetric cell and Plasma AI technology.

Fig. A Is the CRT and Plasma Display Panel(PDP) comparison chart.

1.2. Plasma display panel structure

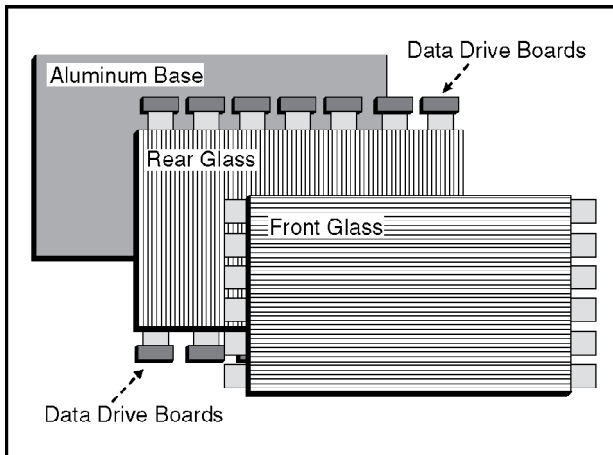


Fig. B

Plasma display panel structure

Panasonic Plasma display panel is consist of front glass, rear glass and Aluminum base.

The front glass has each 480 lines scan and sustain transperence electrodes.

The rear glass has 2556 (852 x 3) data electrodes on the inner surface. These electrodes are connected to the data drive circuit boards directory.

1.3. Rear Glass Structure

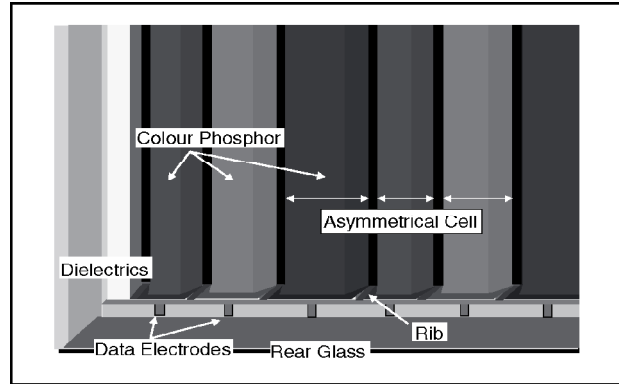


Fig. C

On the rear glass the data electrode is mounted.

The dielectric is coated on the rear glass.

Red, Green and Blue colour phosphors are formed on the data electrode with the ribs. However to improve colour reproduction and brightness, each colour phosphors are formed different width This is called " Asymmetrical cell " as Panasonic original technology.

1.4. Front Glass Structure

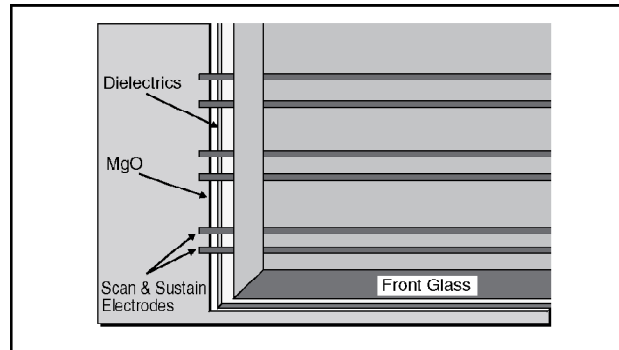


Fig. D

On the front glass scan and sustain transparent electrodes are mounted in pair.

The dielectrics is coated on the front grass.

MgO over coat is also applied on the dielectrics.

The front and rear glasses are piled and sealed . And low presser gas are charged between two glasses.

1.5. Pixel Structure

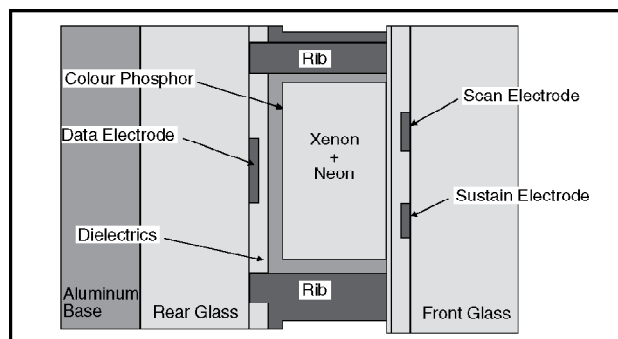


Fig. E

42 inch plasma display panel has 1,226,880 pixels.
Each pixels structure is shown fig. E.

1.6. Sub Field Drive system

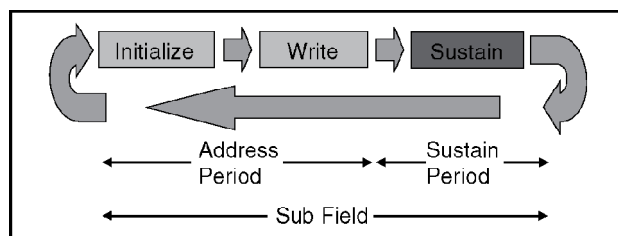


Fig. F

Brightness control of plasma display panel is carried out by plasma discharge time change. To control each pixel's brightness Sub-field drive system is used.

A sub-field is consist of Initialize, Write and sustain operation.

1.7. Initialization

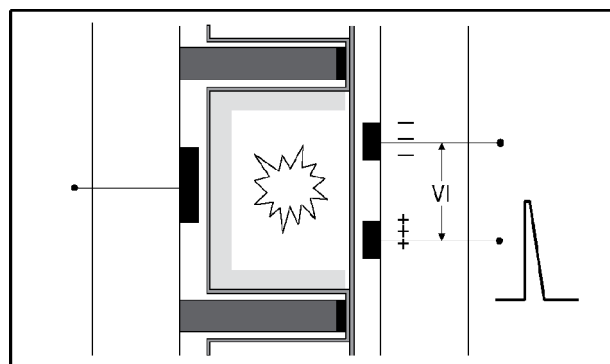


Fig. G

To clear any remaining electric charge into the pixel, trapezoid voltage is applied between the scan and sustain electrodes. Plasma discharge is started but the discharge become small gradually.

Then any electric charge is cleared.

1.8. Write

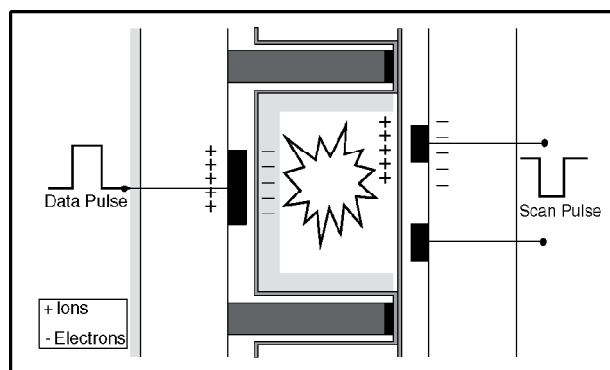


Fig. H

Data Pulse which is positive polarity is input to data electrode and Scan pulse which is negative polarity is input to scan electrode simultaneously.

That means sum of data and scan pulses voltage is applied between two electrodes as discharge start voltage.

Discharge is started into the pixel and gas is ionized.

During discharging Ion is charged on the scan electrode side and electron is charged on data electrode side.

1.9. Wall Voltage

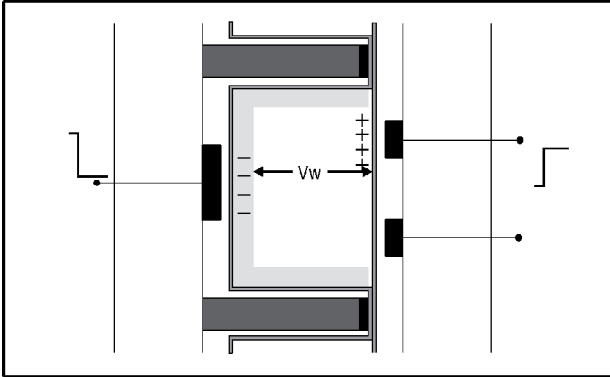


Fig. I

When input pulses are stopped, Ions and Electrons which are charged on the dielectric around the electrodes are remained. This charge is called Wall Voltage (Pilot voltage).

This operation is called Write .

1.10. Sustain Step 1

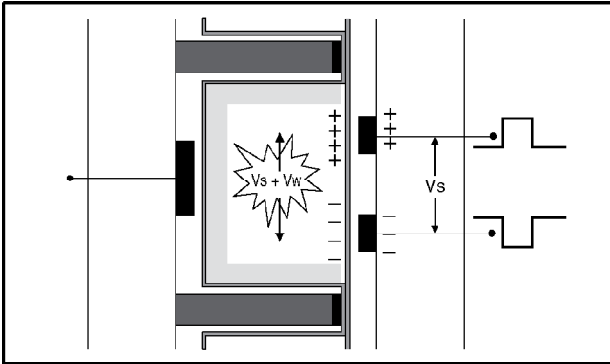


Fig. J

Negative polarity's Sustain pulse is input between sustain and scan electrodes and voltage potential between two electrodes becomes sum of Sustain pulse and wall voltage.

Then discharge start.

1.11. Sustain Step 2

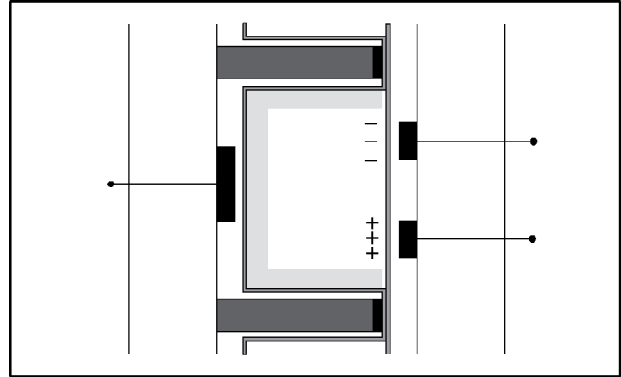


Fig. K

When sustain pulse is stopped, Ions and Electrons are remained again as Wall voltage. However polarity of wall voltage is reversed.

1.12. Sustain Step 3

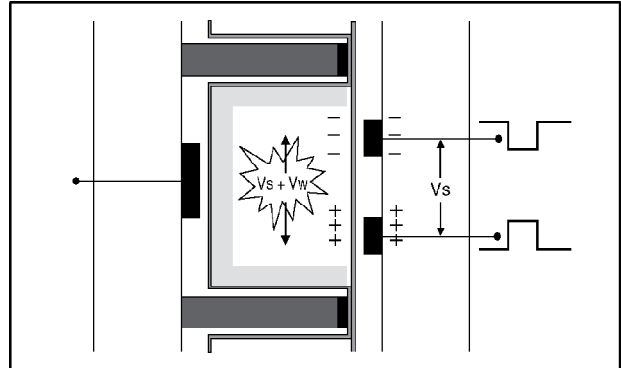


Fig. L

Positive polarity's Sustain pulse is input between sustain and scan electrodes and discharge start again.

1.13. Sustain Step 4

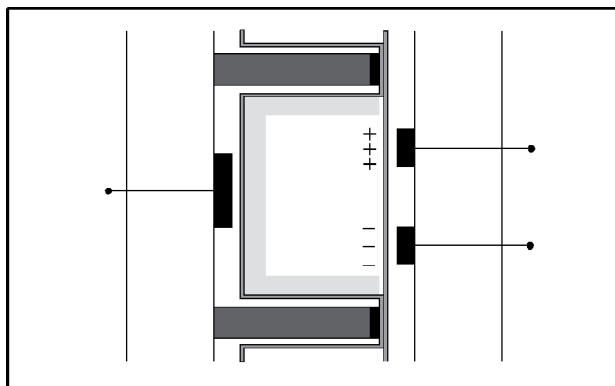


Fig. M

When sustain pulse is stopped, Ions and Electrons are remained again as Wall voltage. However polarity of wall voltage is reversed.

1.14. Sustain Step 5

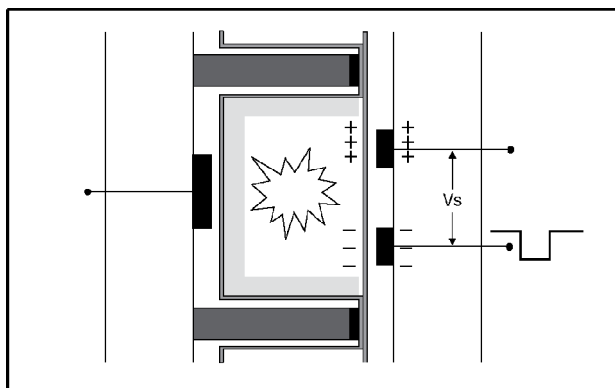


Fig. N

Ions and Electrons which is generated by 2nd sustain discharge are charged on the pixel wall(dielectric) around the electrodes.

1.15. Repeat Step 1 to Step 5

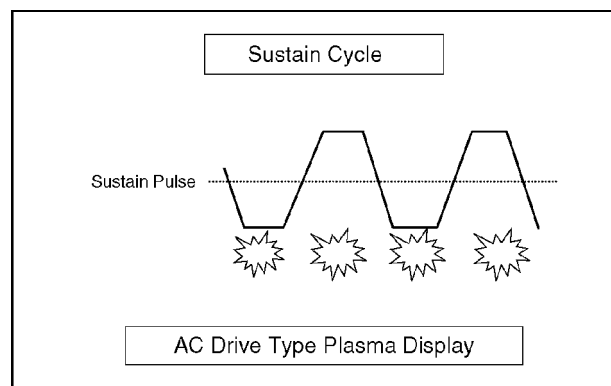


Fig. O

To keep discharge continuously step 1 to 5 operation will be repeated.

As the result sustain pulse is alternated. Therefore we call this drive system AC Drive type.

If sustain operation is repeated longer, brightness level of the pixel is increased. Therefore depend on sustain discharge time brightness of pixel is controlled.

1.16. Sub-Field drive

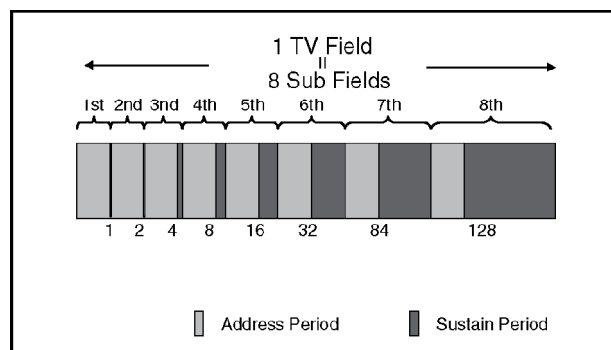


Fig. P

Sub-Field drive is PDP unique system.

While one TV field period, 8 bits digital video signal component is reproduced by 8 sub-fields operation.

Each Sub-Field's address period are all same.(Consist of one initialization and 480 scanning operation)

But Sustain period of each Sub-Field are different.1st Sub-Field(SF) reproduce only 1 step brightness.

2nd SF reproduce 2 steps brightness.

Each sub-field's sustain period are increased gradually.

However total 256 brightness difference can be reproduced on the screen.

1.17. Dual Scan

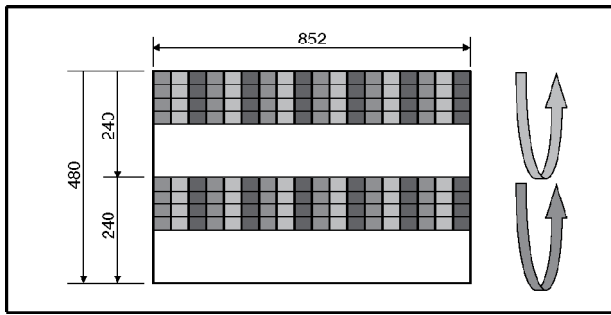


Fig. Q

The sustain period of sub-field drive system. Therefore brightness peak is limited. Because 480 horizontal lines scanning is carried out during address period.

Dual scan system can reduce scanning time from 480 to 240 in the address period.

Then spaced time by dual scanning can be used for sustain operation.

As the result Brightness peak level can be increased.

1.18. Plasma AI (Adaptive brightness Intensifier)

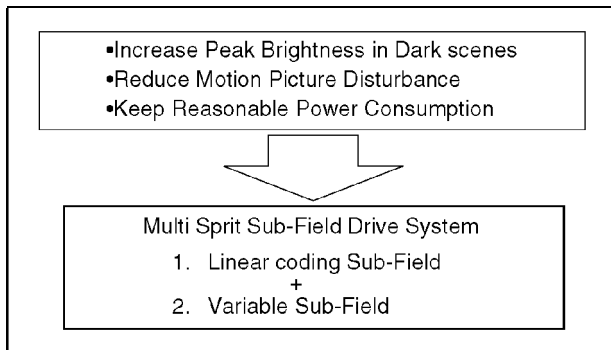


Fig. R

Panasonic plasma AI control sub-field drive operation which is called Multi-Sprit Sub-Field drive control system.

Depend on the picture contents (APL : Average Picture Level) number of sub-field are changed from 10 to 12. (Variable Sub-field)

Sustain time format of each sub-field are also rearranged from binary format to linear coding sustain time. (Linear coding sub-field)

Plasma AI select the best display condition for Plasma display panel to display natural and crisp picture.

1.19. Real Black drive

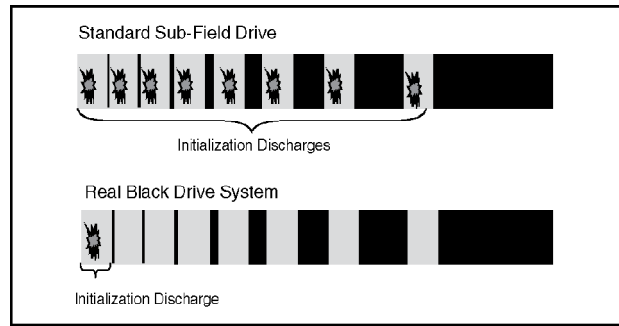


Fig. S

For standard sub field drive, initialization discharge is done at each sub field. So that during one TV field period same sub field numbers of discharges are done even black signal was displayed.

Therefore there are small emission at the black area.

Panasonic Real Black drive system improve black reproduction.

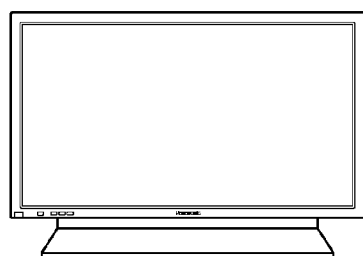
Initialization discharge is done at first sub field only.

Remaining sub field are not required discharge because Real Black drive circuit applies initialization electric field remainder pulse.

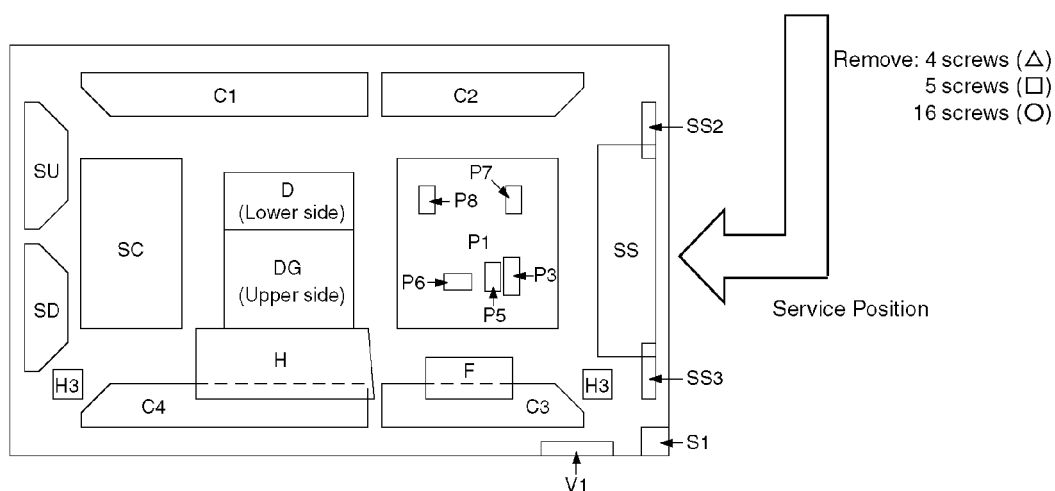
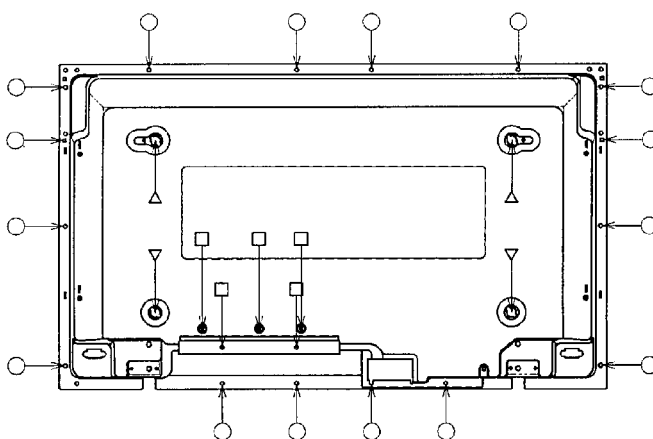
2 Service Hint

Remove the Back Cover

Stand the Unit used for Optional Accessory



Optional Accessory
(Pedestal)



Board name	Function	Board name	Function
DG board	Interface I/P Converter	P3 board	Sustain voltage control
D board	Digital process & Control	P5 board	Processing voltage control
P board	Power supply	P6 board	Prinaily voltage control
SC board	Scan drive	P7 board	Sustain voltage protection
SS board	Sustain Drive	P8 board	Processing voltage protection
C1 board	Data drive (Upper Left)	H board	Input terminal
C2 board	Data drive (Upper Right)	F board	Line filter
C3 board	Data drive (Lower Right)	H3 board	Speaker terminal
C4 board	Data drive (Lower Left)	SS2 board	Sustain connection (Upper)
V1 board	Front Switch & Remote Reciever	SS3 board	Sustain connection (Lower)
S1 board	Power Switch	SU board	Scan out (Upper)
SD board	Scan out (down)		

3 Adjustment Procedure

3.1. +B Set-up

3.1.1. Item / Preparation

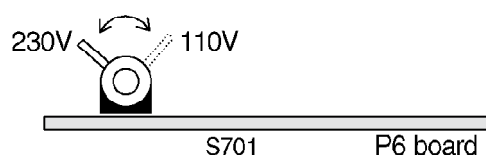
1. Confirm the main voltage set switch is set to 230V. (A, B, and E version) Confirm the main voltage set switch is set to 110V. (U version)

Note:

230V covers input AC voltage from 200V till 260V, and
110V covers from 90V till 130V.

2. Input a Grey scale signal.
3. Set the picture controls: -
Picture mode: Normal
White balance: Normal

3.1.2. Adjustments



Adjust and confirm indicated test point for the specified voltage.

Test point	Voltage	Volume	Name
P4 pin 1 (Hot)	400V \pm 1V	R426	PFC
Confirmation (Cold)			
P1 pin 9	15V \pm 0.5V		+15V
P5 pin 1	13V \pm 0.5V		+13V
P6 pin 1	13V \pm 0.5V		Audio 13V
P6 pin 3	-13V \pm 0.5V		Audio -13V
P5 pin 5	5V \pm 0.5V		+5V
P5 pin 8	3.4V \pm 0.5V		+3.3V
P7 pin 4	5V \pm 0.5V		STB5V

3.2. Driver Set-up

3.2.1. Item / Preparation

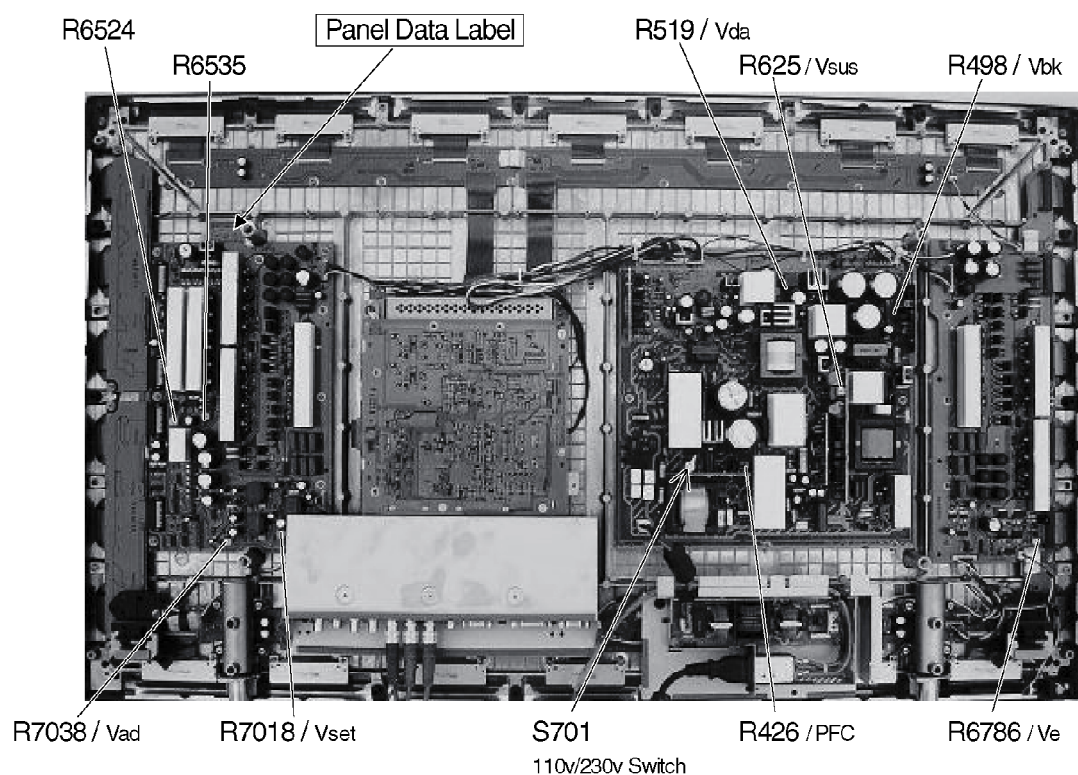
1. Input an APL 100 % white signal.
2. Set the picture controls: -
Picture mode: Normal
White balance: Cool
Aspect: 16:9

3.2.2. Adjustments

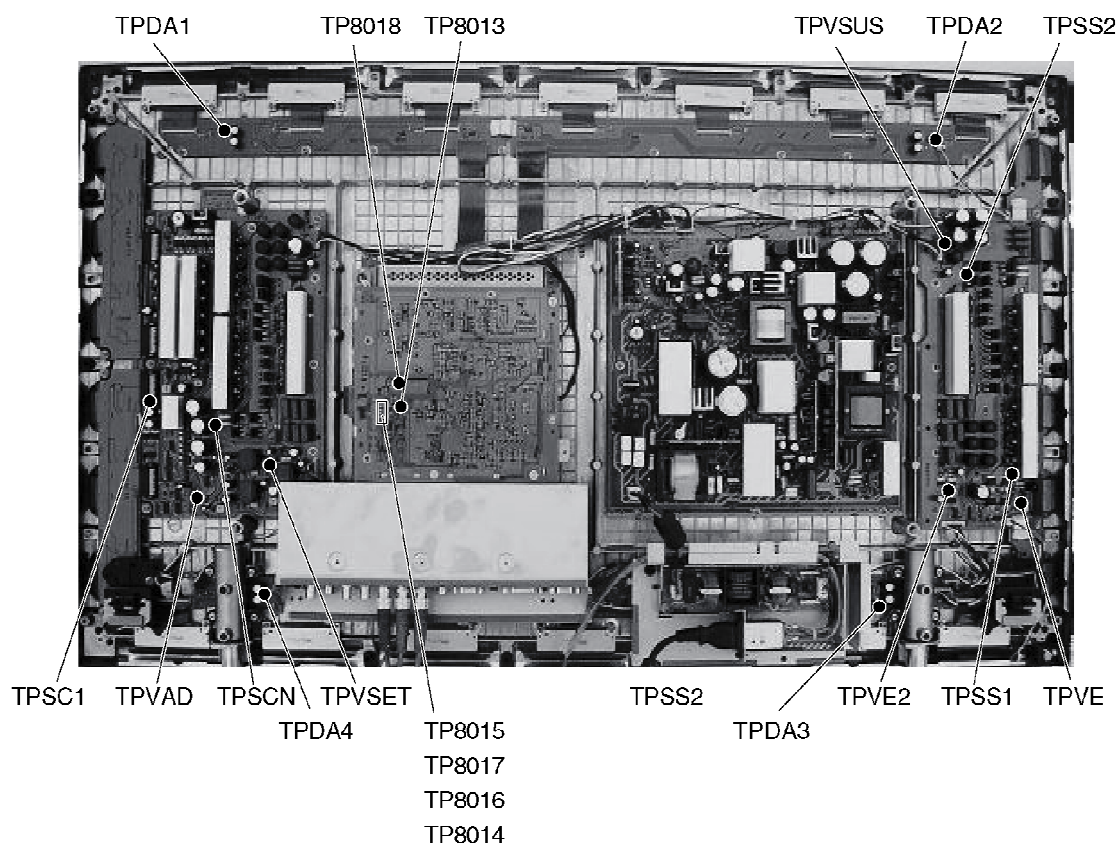
Adjust driver section voltages referring the panel data on the panel data label.

Test point	Voltage	Volume	Name
TPVSUS(SS)	VSUS \pm 1V	R625(P3)	Vsus
TPVBK(SC)	160 V \pm 5V	R498(P1)	Vbk
TPVE(SS)	VE \pm 0.5V	R6786(SS)	Ve
TPVSET(SC)	220 V \pm 5V	R6587(SC)	Vset
TPVAD(SC)	VAD \pm 1V	R7038(SC)	Vad
TPDA1 (C1)	67V \pm 1V	R519 (P1)	Vda

3.3. Adjustment Volume Location



3.4. Test Point Location



3.5. Initialization Pulse Adjust

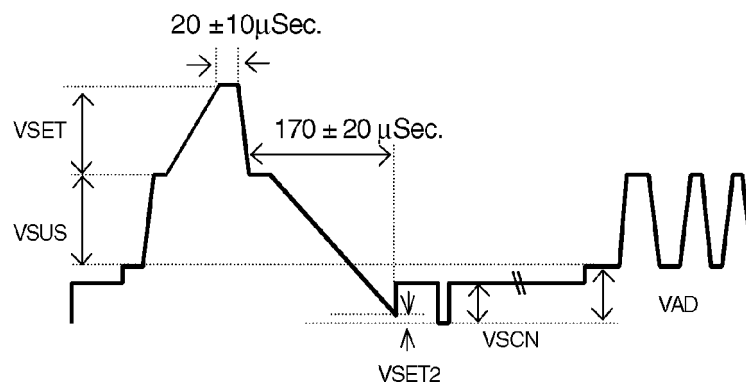
1. Input a Cross hatch signal.
2. Set the picture controls: -

Picture mode: Normal

White balance: Cool

Adjust the indicated test point for the specified wave form.

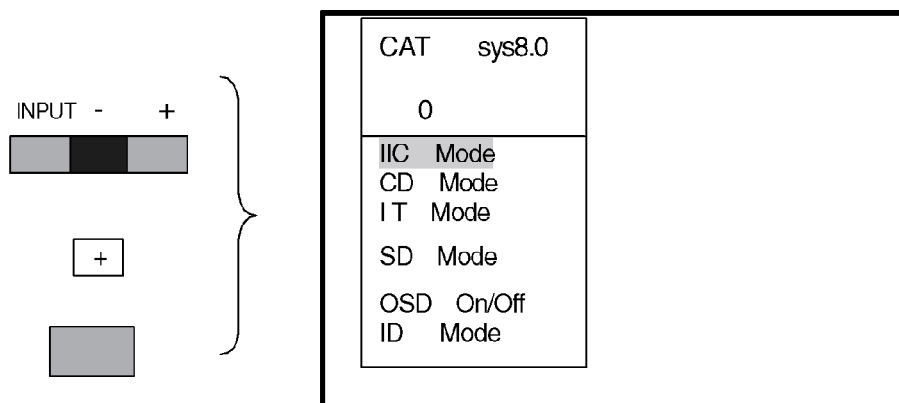
Test point	Volume	Name
TPSC1 (SC)	R6524 (SC)	Initialize Pulse (Rise)
TPSC1 (SC)	R6535 (SC)	Initialize Pulse (Set)



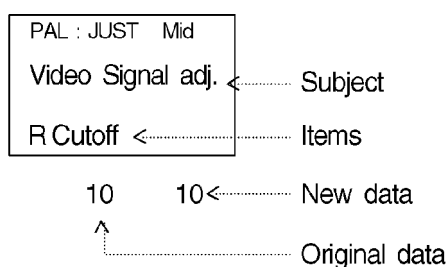
4 Alignment Setting

4.1. How to access Alignment

1. Press and hold the **Volume down / -** button on the front panel of the unit and press the **status [+]** button on the remote control 3 times quickly within 1 second, this will place the unit into the CAT menu (Main service mode)



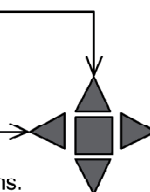
2. Press the Access button on the remote control.



3. Select the alignment Subject by the UP or DOWN button of the Cross buttons on the remote control.

4. Select the alignment item by the LEFT or Right buttons of the Cross buttons on the remote control.

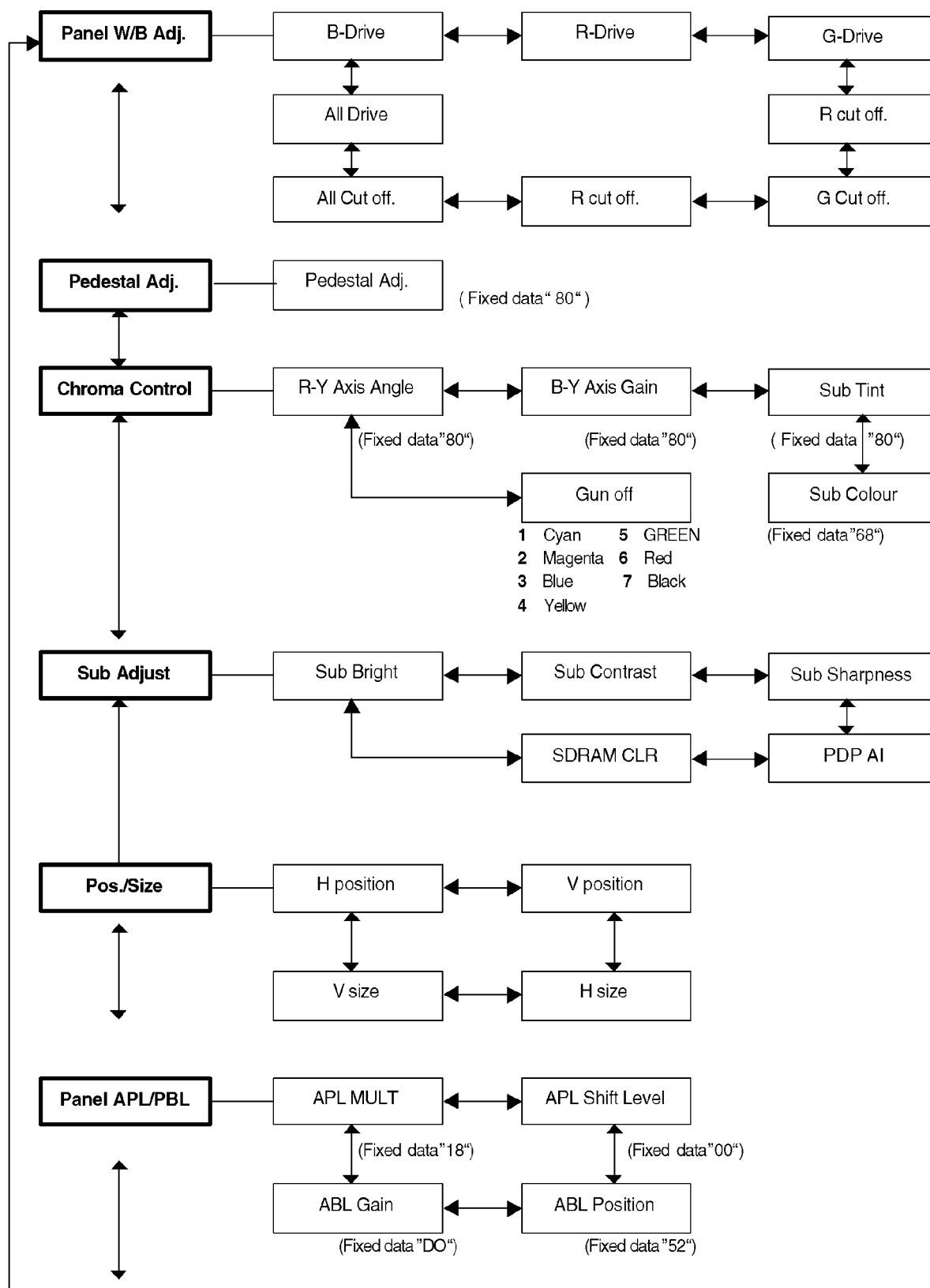
5. Adjust optimum setting by Volume Up / + and Down / - buttons.

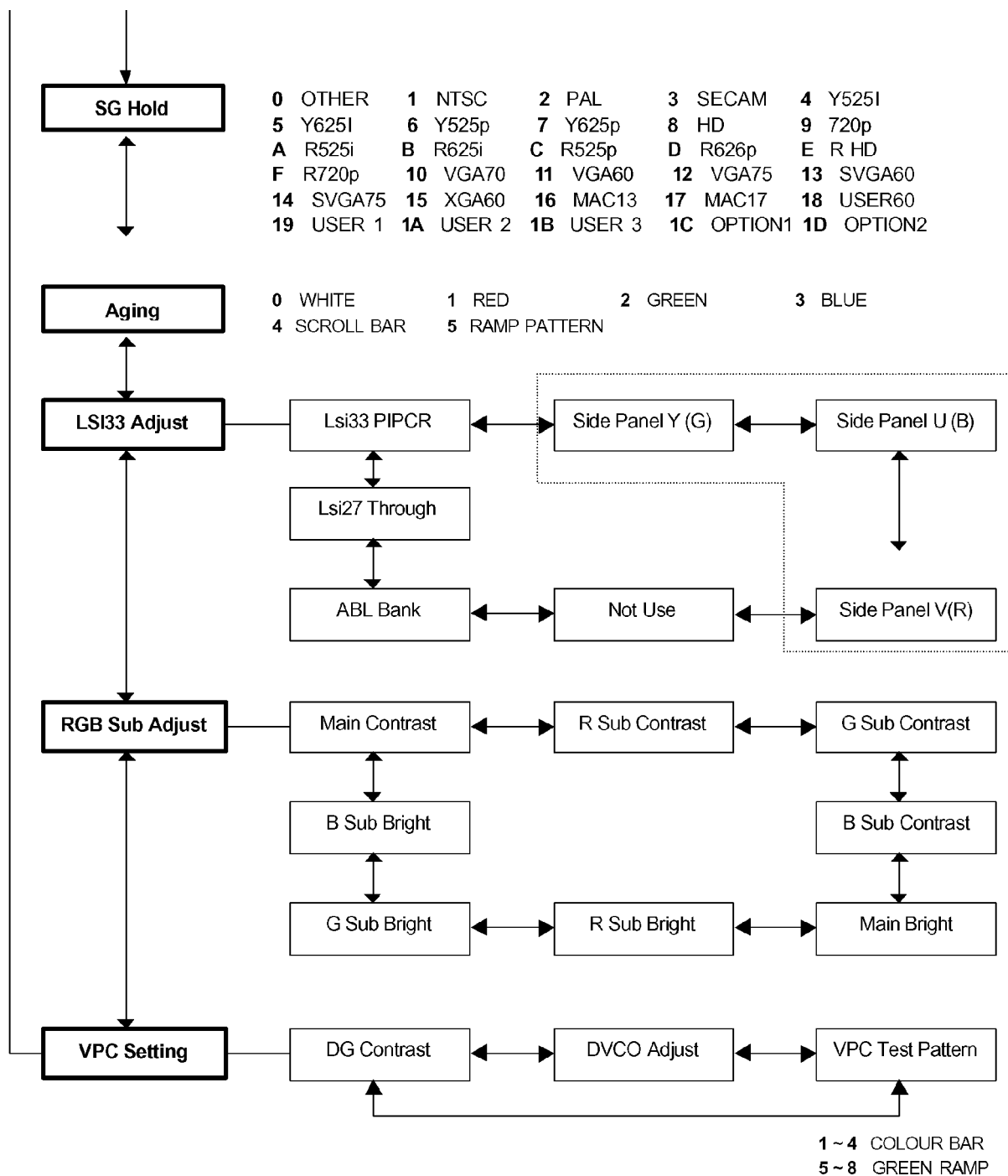


4.2. Exit

1. To exit the **IIC mode**, press the **R** button on the remote control.
2. To exit the **CAT mode**, access the **ID mode** by the down button of cross buttons and switch off the main power and on again.

4.3. IIC menu structure

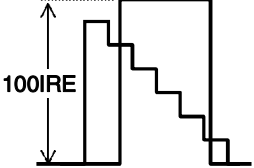




5 Alignment

5.1. DG contrast


(Composit video signal)

	INPUT	Equipment	Test Point	Alignment menu		Level	Remark
				Subject	Item		
1	NTSC Colour Bar	Oscilloscope	TP8004	VPC SETTING	DG CONTRAST	0.7V±0.02V (3A)	
2	PAL Colour Bar	Oscilloscope	TP8004	VPC SETTING	DG CONTRAST	0.55V±0.02V (3A)	

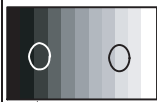
5.2. DVCO adjust

	INPUT	Equipment	Test Point	Alignment menu		Procedure
				Subject	Item	
1	NTSC or PAL Colour Bar Standard signal	-	-	VPC SETTING	DVCO SETTING	1) Access to DVCO SETTING mode. 2) Press ACCESS key on remote then automatic DVCO setting is started. 3) When data becomes " 1 "adjustment is completed. . * Do not use this function without input signal.

5.3. NTSC panel white balance



	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	NTSC Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 5 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 5 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-01. 5) If Sub Bright is changed re-adjust it to set Low light to 5 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-01. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="909 1079 1241 1191"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.272</td><td>0.29</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -01	Color Temp.	x	y	Cool(Hi)	0.272	0.29	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.272	0.29															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"												

5.4. PAL/SECAM panel white balance


	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	<div>PAL Gray Scale Pattern</div> <div></div>	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	<div>1) Find the nearest area to brightness of 5 cd/m² as Low light by color sensor.</div> <div>2) Adjust Sub bright to set Low light level to 5 cd/m² exactly.</div> <div>3) Set G cut off to " 80 ".</div> <div>4) Adjust B and R cut off to set color temperature as shown Fig.-02.</div> <div>5) If Sub Bright is changed re-adjust it to set Low light to 5 cd/m².</div> <div>6)Find 75% of white area by color sensor.</div> <div>7) Set G Drive to " D8 ".</div> <div>8) Adjust B and R Drive to set color temperature as shown Fig.-02.</div> <div>9) Repeat procedure 4) to 7) to set both Low light and high light.</div> <div>10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC".</div> <div>11) Re-adjust Low light level again.</div> <div><table><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.272</td><td>0.29</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table><div>Fig. -02</div></div>	Color Temp.	x	y	Cool(Hi)	0.272	0.29	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.272	0.29															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<div>1) Change white balance to "Normal".</div> <div>2) Repeat procedure 3) to 11) of Cool mode.</div>												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	<div>1) Change white balance to "Normal".</div> <div>2) Repeat procedure 3) to 11) of Cool mode.</div>												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	<div>1) Change color templature to "Cool".</div> <div>2)Re-set Sub bright to "30"</div>												


		Equipment	Setting	Alignment menu	Procedure																												
5			Picture: Normal Aspect: 16:9 White balance: Cool Normal Warm		1) Write down each color temperature of R,G,B drive and Cut off data as follows. <table border="1"><tr><td>White Balance</td><td>Cool</td><td>Normal</td><td>Warm</td></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	
	SECAM signal				2) Input SECAM signal. 3) Copy PAL R,G,B drive and cut off data of each white balance mode to SECAM position.																												

5.5. Pedestal setting

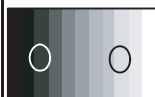
	INPUT	Equipment	Setting	Alignment menu	Procedure
1	Component (525i, 525p, 625i, 720i or 1080i) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B R cut off G cut off B cut off Chroma Control: Gun off RGB Sub Adjust: G Sub Bright Chroma Control: Gun off RGB Sub Adjust: B Sub Bright Chroma Control: Gun off RGB Sub Adjust: R Sub Bright	** Adjust at the dark room. 1) Set R,G and B cut off to " 80 ". 2) Set Gun off to "5". (Only green pixels can emit.) 3) Adjust G Sub bright to start some of green pixels emission at black 2% area and no emission at black 0% area. 4) Set Gun off to "3". (Only blue pixels can emit.) 5) Adjust B Sub bright to start some of blue pixels emission at black 2% area and no emission at black 0% area. 6) Set Gun off to "6". (Only red pixels can emit.) 7) Adjust R Sub bright to start some of red pixels emission at black 2% area and no emission at black 0% area.
2	RGB(PC) Gray Scale Pattern 		Picture: Normal White balance: Cool Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change input to RGB signal. 2) Repeat procedure 1) to 7) of Component input signal.

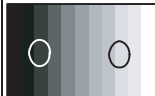
5.6. RGB panel white balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	PC Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 5 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 5 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-03. 5) If Sub Bright is changed re-adjust it to set Low light to 5 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-03. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="909 1079 1241 1191"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.272</td><td>0.29</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -03	Color Temp.	x	y	Cool(Hi)	0.272	0.29	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.272	0.29															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"												


	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	<div>RGB Gray Scale Pattern</div> <div></div> <div>High light 75% Low light 15%</div>		<div>Picture: Normal</div> <div>Aspect: 16:9</div> <div>White balance: Cool Normal Warm</div>		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <table><tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table> <div>2) Input RGB signal.</div> <div>3) Copy PC R,G,B drive and cut off data of each white balance mode to RGB position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

5.7. HD panel white balance


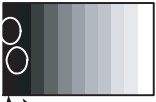

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	HD (720i or 1080i) Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 5 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 5 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-04. 5) If Sub Bright is changed re-adjust it to set Low light to 5 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-04. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="909 1104 1240 1216"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.272</td><td>0.29</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -04	Color Temp.	x	y	Cool(Hi)	0.272	0.29	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.272	0.29															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templatue to "Cool". 2)Re-set Sub bright to "30"												



	INPUT	Equipment	Setting	Alignment menu	Procedure																												
5	<div>RGB Gray Scale Pattern</div> <div></div> <div>High light 75% Low light 15%</div>		<div>Picture: Normal</div> <div>Aspect: 16:9</div> <div>White balance: Cool Normal Warm</div>		<div>1) Write down each color temaparature of R,G,B drive and Cut off data as follows.</div> <div><table><tr><th>White Balance</th><th>Cool</th><th>Normal</th><th>Warm</th></tr><tr><td>R Drive</td><td></td><td></td><td></td></tr><tr><td>G Drive</td><td></td><td></td><td></td></tr><tr><td>B Drive</td><td></td><td></td><td></td></tr><tr><td>R Cut off</td><td></td><td></td><td></td></tr><tr><td>G Cut off</td><td></td><td></td><td></td></tr><tr><td>B Cut off</td><td></td><td></td><td></td></tr></table></div> <div>2)Change input signal to 525i and 525p.</div> <div>3) Copy HD drive and cut off data of each white balance mode to each signals position.</div>	White Balance	Cool	Normal	Warm	R Drive				G Drive				B Drive				R Cut off				G Cut off				B Cut off			
White Balance	Cool	Normal	Warm																														
R Drive																																	
G Drive																																	
B Drive																																	
R Cut off																																	
G Cut off																																	
B Cut off																																	

5.8. 625i panel balance

	INPUT	Equipment	Setting	Alignment menu	Procedure												
1	625i Gray Scale Pattern 	Color Analyzer	Picture: Normal White balance: Cool Aspect: 16:9	Sub Adjust Sub Bright PANEL W/B G cut off PANEL W/B B cut off R cut off Sub Adjust Sub Bright PANEL W/B G Drive PANEL W/B B Drive R Drive PANEL W/B R,G,B Drive R,G,B Drive PANEL W/B R,G,B cut off	1) Find the nearest area to brightness of 5 cd/m ² as Low light by color sensor. 2) Adjust Sub bright to set Low light level to 5 cd/m ² exactly. 3) Set G cut off to " 80 ". 4) Adjust B and R cut off to set color temperature as shown Fig.-05. 5) If Sub Bright is changed re-adjust it to set Low light to 5 cd/m ² . 6)Find 75% of white area by color sensor. 7) Set G Drive to " D8 ". 8) Adjust B and R Drive to set color temperature as shown Fig.-05. 9) Repeat item 4) to 7) to set both Low light and high light. 10) Increase same steps of R, G and B Drive to set largest level of 3 color drive to "FC". 11) Re-adjust Low light level again. <table border="1" data-bbox="909 1079 1241 1191"><tr><td>Color Temp.</td><td>x</td><td>y</td></tr><tr><td>Cool(Hi)</td><td>0.272</td><td>0.29</td></tr><tr><td>Normal(Mid)</td><td>0.288</td><td>0.296</td></tr><tr><td>Warm(Low)</td><td>0.313</td><td>0.329</td></tr></table> Fig. -05	Color Temp.	x	y	Cool(Hi)	0.272	0.29	Normal(Mid)	0.288	0.296	Warm(Low)	0.313	0.329
Color Temp.	x	y															
Cool(Hi)	0.272	0.29															
Normal(Mid)	0.288	0.296															
Warm(Low)	0.313	0.329															
2			Picture: Normal White balance: Normal Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
3			Picture: Normal White balance: Warm Aspect: 16:9	PANEL W/B R,G,B cut off PANEL W/B R,G,B Drive	1) Change white balance to "Normal". 2) Repeat procedure 3) to 11) of Cool mode.												
4			Picture: Normal White balance: Cool Aspect: 16:9	Picture Menu Sub Adjust Sub Bright	1) Change color templature to "Cool". 2)Re-set Sub bright to "30"												

5.9. Sub brightness setting

	INPUT	Equipment	Setting	Alignment menu	Procedure
1	NTSC Gray Scale Pattern 		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to Cool . 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to Normal . 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to warm . 7) Adjust All cut off to set same data of Cool mode.
2	PAL Gray Scale Pattern  SECAM Gray Scale Pattern		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to Cool . 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to Normal . 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to warm . 7) Adjust All cut off to set same data of Cool mode. 8) Change to SECAM signal. 9) Copy PAL All cut off data to SECAM mode.
3	PC Gray Scale Pattern  RGB Gray Scale Pattern		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to Cool . 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to Normal . 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to warm . 7) Adjust All cut off to set same data of Cool mode. 8) Change to RGB input signal. 9) Copy PAL All cut off data to SECAM mode.

	INPUT	Equipment	Setting	Alignment menu	Procedure
4	525i Gray Scale Pattern  525p Gray Scale Pattern HD (720i or 1080i) Gray Scale Pattern		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to Cool . 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to Normal . 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to warm . 7) Adjust All cut off to set same data of Cool mode. 8) Change to 525p signal. 9) Copy 525i All cut off data to 525p mode. 8) Change to HD signal. 9) Copy 525i All cut off data to HD mode.
5	625i Gray Scale Pattern  625p Gray Scale Pattern HD (720i or 1080i) Gray Scale Pattern		Picture: Normal Aspect: 16:9	PANEL W/B All cut off	** Adjust at the dark room. 1) Set white balance to Cool . 2) Adjust All cut off to start some pixels emission at black 2% area and no emission at black 0% area. 3) Write down all cut off data. 4) Set white balance to Normal . 5) Adjust All cut off to set same data of Cool mode. 6) Set white balance to warm . 7) Adjust All cut off to set same data of Cool mode.

5.10. Pos./Size setting

1. Receive the test pattern signal which can be found the center and edge position and align properly.

Alignment Item	Reference	Setting/Special feature
H Position	9A	Optimum setting
V Position	C3	Optimum setting
H Size	A8	Optimum setting
V Size	5E	Optimum setting

5.11. Panel APL/ABL

1. Confirm each data.

Alignment Item	Reference	Setting/Special feature
APL Shift Level	E2	Confirmation only
ABL Point	10	Confirmation only
ABL Gain	E0	Confirmation only
ABL Bank Select	3F	Confirmation only

5.12. SG Hold

SG Hold is the alignment tool for data copy function. Color / Signal system can be set regardless of input signal.

5.13. Aging

Aging mode is internal pattern generator for panel setting confirmation and the after image removal.

1. Access desired colour pattern by the Volume Up or Down button on the remote control.
2. To exit press Menu button

5.14. Panel Colour

There are 4 colour pattern White, Red, Blue and Green.

5.15. Scroll Bar

Scroll bar is for the after image removal. Display scroll bar approximately 15 minutes after alignment is completed.



< Scroll Bar >

5.16. Ramp pattern

Ramp pattern is for digital contrast reproduction confirmation.



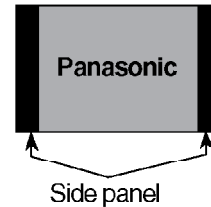
< Ramp pattern >

5.17. LSI 33 Adjust

LSI 33 PIPCR, LSI 27 Through and ABL Bank are for factory parameter setting for Format converter (IC9204).

5.18. Side panel color setting

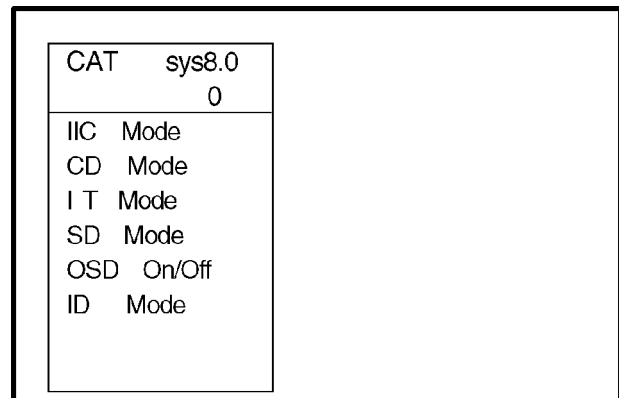
Colour of side panel which are left and right side blank area of 4:3 aspect mode can be adjusted as desired color and brightness.



1. Access Side panel Y(G), U(B) and V(R) by the left or right button on the remote control.
2. Adjust desired color and brightness of side panel Y(G), U(B) and V(R) by Volume UP or Down button on the remote control.
(If 4:3 aspect will be used long time, change side panel brightness optimum level for screen burn protection.)

5.19. CAT (Computer Aided Test) mode

Mode	Function	Access button
IIC	Service Alignment	Action
CD (Complete Diagnostics)	Software version information EEP ROM edit	Mute
IT (Integrated Text)	Not use	
SD (Status Display)	Factory use	Mute
OSD on/off	OSD display switch	Action
ID (Initial Data)	Not use	



6 Self Check

6.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
2. To get into the Self-check mode press the volume down button on the customer controls at the front of the set, at the same time pressing the OFF-TIMER button on the remote control, and the screen will show :-

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "

ID	IIC1	IIC2	IIC3
DG	IC8018 OK H21 IC8007 OK H15 IC8020 OK H52		
H	IC3505 OK H53	IC3507 OK H54 IC3502 OK H55	
D	IC9701 OK H57	IC9202 OK H58 IC9302 OK H56 IC9204 OK H59 IC9400 OK H60 IC9504 OK H61 IC9011 OK H62	

7 Trouble shooting guide

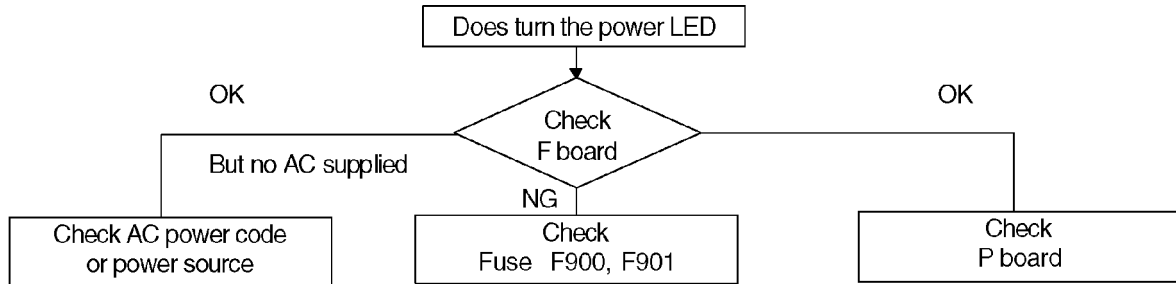
7.1. No Power

First check point

There are following 3 states of No Power indication by power LED.

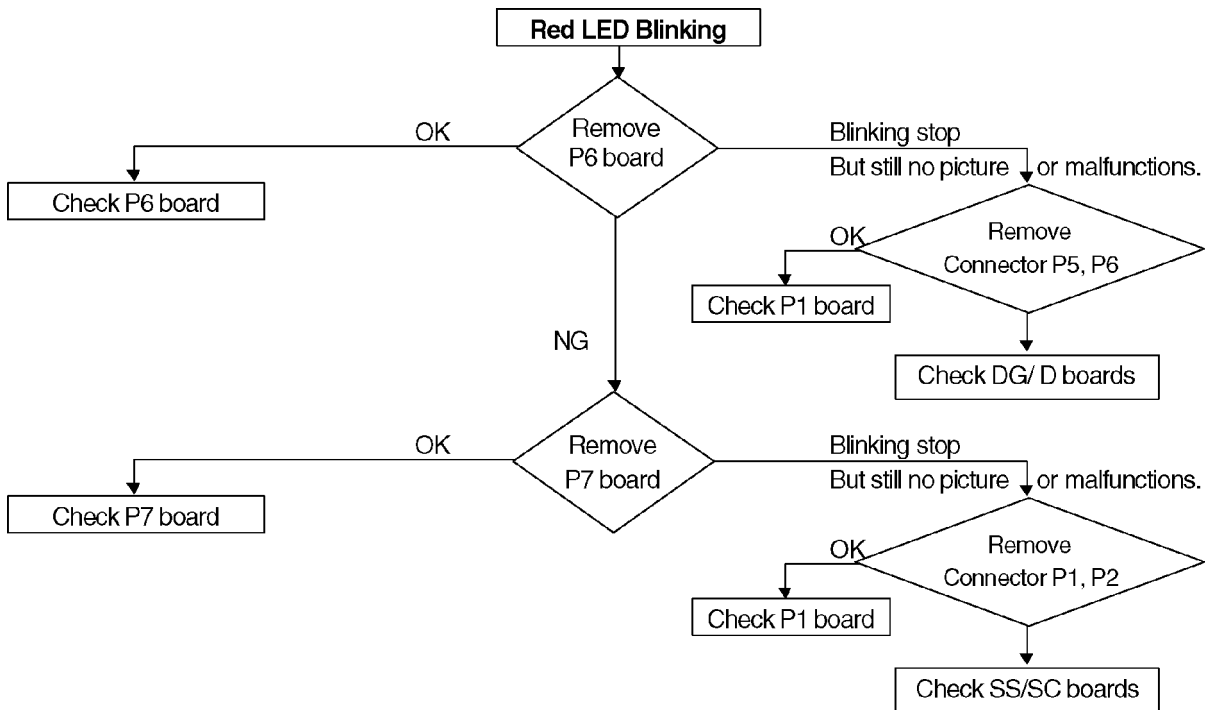
1. No lit
2. Green is lit then turns red blinking a few seconds later.
3. Only red is lit.

1. No lit

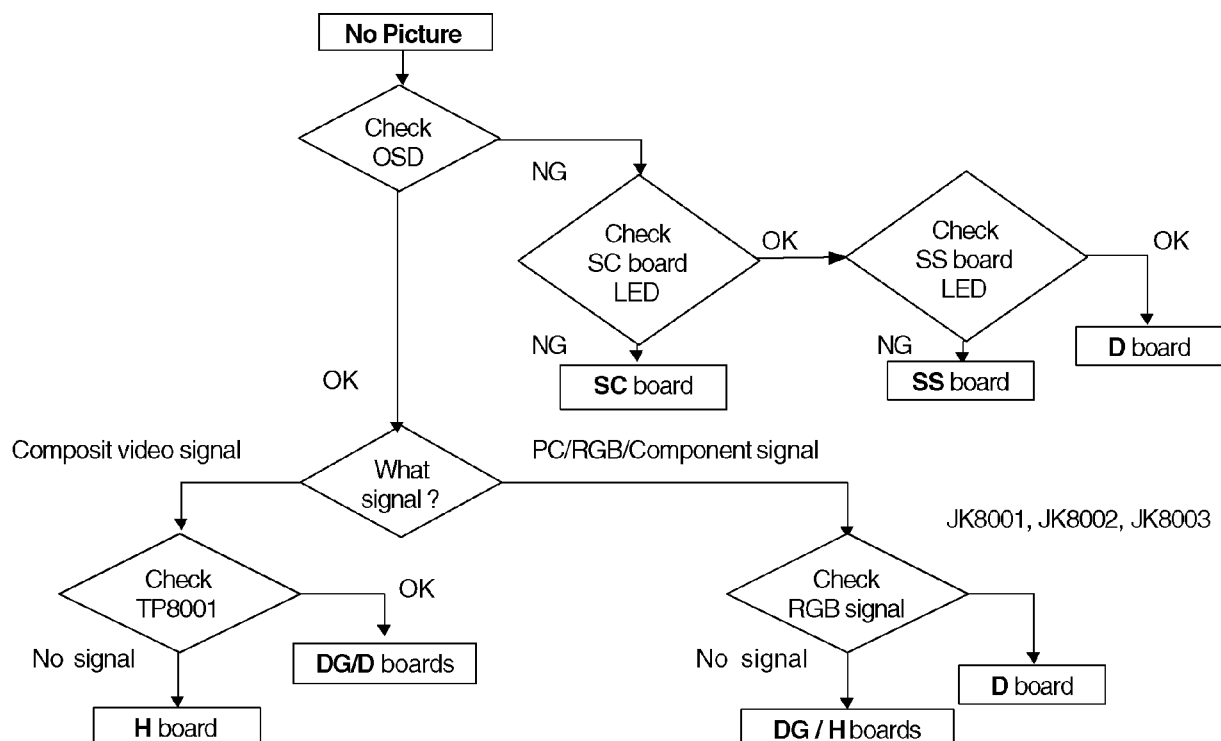


2. Red LED Blinking

When one or some of supply voltages from power supply circuit are declined red LED will be blinking as power



7.2. No Picture



7.3. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.

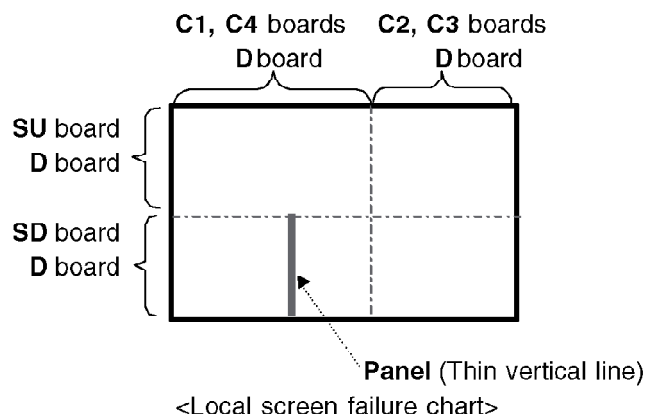


Fig - 1

8 P.C.B. (Printed Circuit Board) exchange

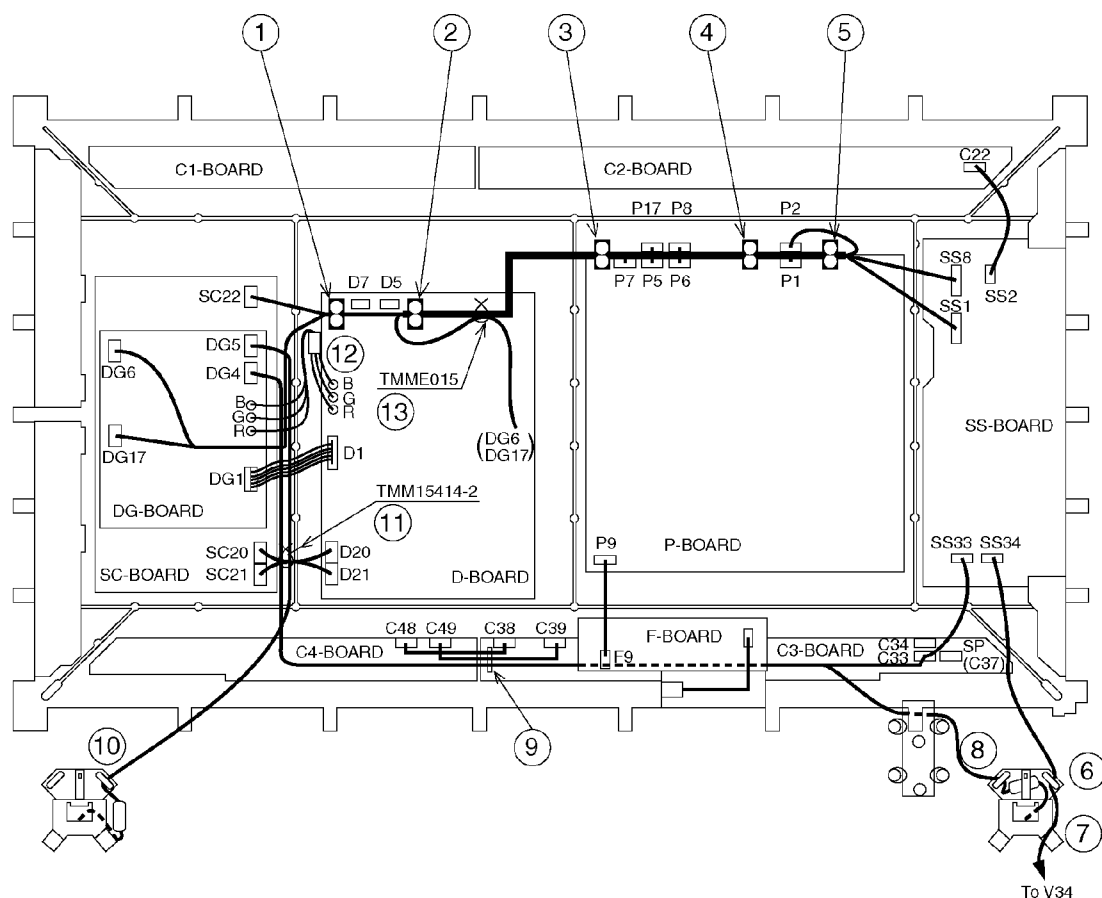
8.1. Caution

1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

8.2. Quick adjustment after P.C.B. exchange

P.C.B.	Item	Volume	Test point	Level
P board	Vsus	R625	TPVsus (SS)	$V_{sus} \pm 1 \text{ V}$
	Vbk	R498	TPVBK (SC)	$160\text{V} \pm 5 \text{ V}$
	Vda	R519	TPDA1(C1)	$67\text{V} \pm 1 \text{ V}$
	PFC	R426	P4 connector pin 1	$400\text{V} \pm 1 \text{ V}$
DG board	DG contrast	DG contrast	TP8004'DG)	Refer to the alignment procedure
	DVCO	DVCO adjust		Automatic
SC board	Vset	R6587	TPSET(SC)	$220\text{V} \pm 5 \text{ V}$
	Vad	R7038	TPVAD	$VAD \pm 1 \text{ V}$
SS board	Ve	R6786	TPVE	$VE \pm 0.5 \text{ V}$
D board	White balance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625I signals.			

9 Location of Lead Wiring



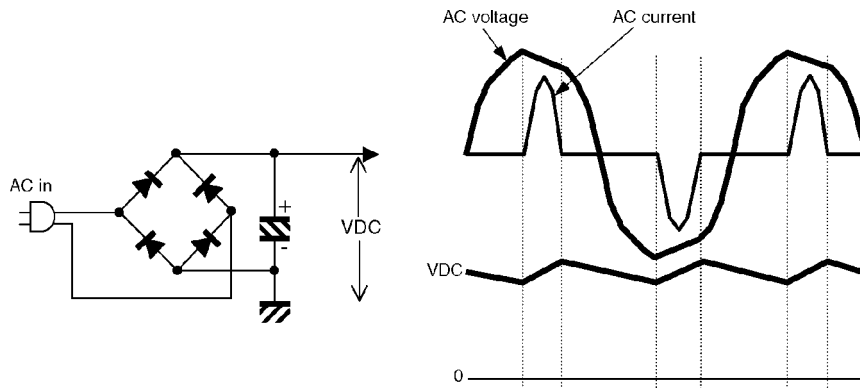
CON : NO	CON : NO	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬
D (B, G, R)	DG (B, G, R)												○	
DG1	D1													
SC22	P2	○		○	○									○
SC21	D21											○		
SC20	D20											○		
SS1	P1					○								
SS8	P8				○	○								
SS33	C33								○					
S34	SS34						○	○						
V34	C34								○					
DG17	P17		○	○										(W)
DG6	P6		○	○										(W)
DG4	H37 (SS)								○	○		○		
DG5	H37 (SC)										○	○		
F9	F9													
INLET	DG-BOARD (GND)													
P5	D5		○	○										○
P7	D7		○	○										○

10 Basic Circuit Explanation

10.1. Power Supply Circuit

10.1.1. Power Factor Control (PFC)

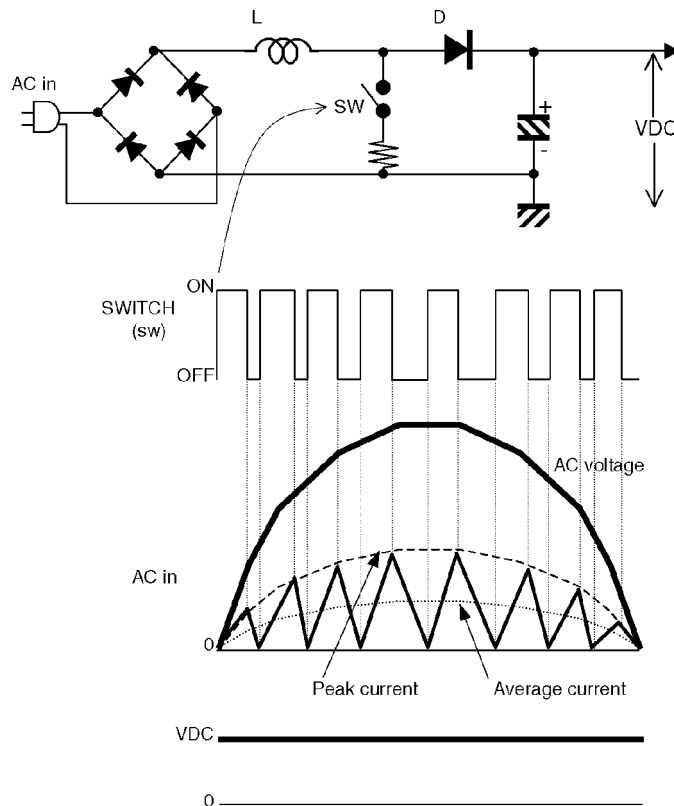
10.1.1.1. Basic operation of the Full wave bridge rectifier



Feature:

1. Power Factor 0.5~0.7
2. Spiky AC current with high frequency component.

10.1.1.2. Power Factor control circuit



Feature:

1. Power Factor More than 0.9
2. Automatic Power Factor Control by OFF period change
3. Lower high frequency noise.

10.2. Energy Recovery Drive Pulse Output

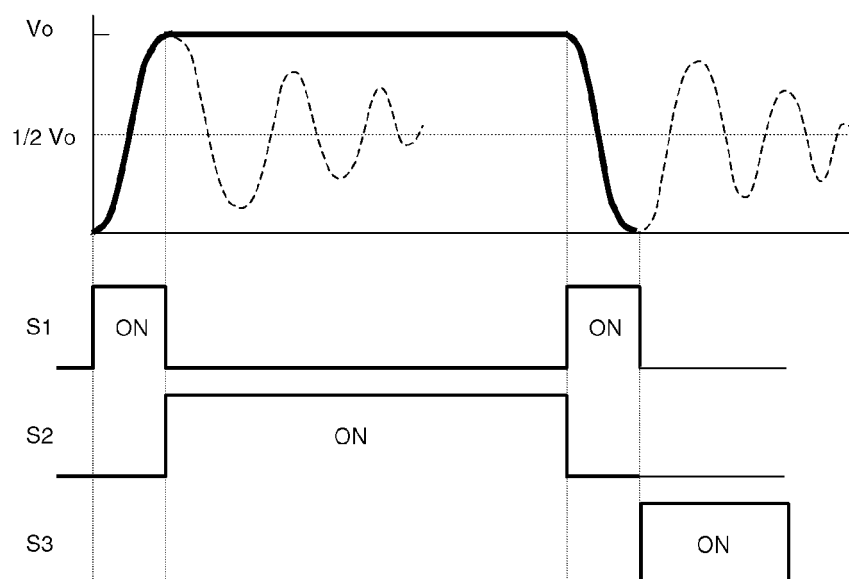
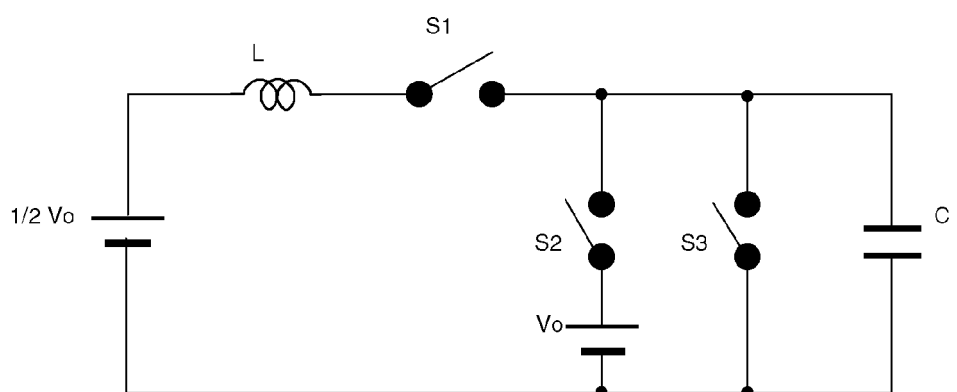
10.2.1. Plasma Panel Energy Loss

When The Sustain, Scan and Data drive pulses are supplied to the plasma panel a lot of energy was lost by resistance of the electrodes lead and many of switching elements. Because plasma panel has the stray capacitance and this capacitance makes high level inrush current during the charge and discharge.

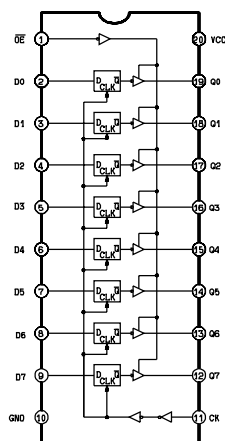
This energy loss becomes high temperature from the plasma panel itself.

10.2.2. Energy Recovery circuit

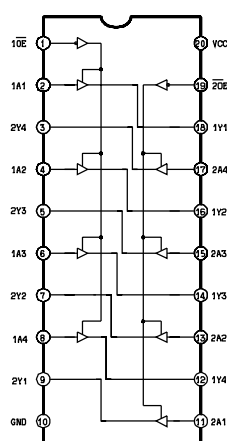
10.2.2.1. Basic operation of the energy recover circuit



TC74LCX244F
(BUS BUFFER)

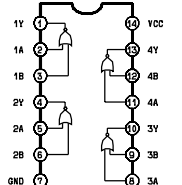


INPUTS			OUTPUTS
DE	CK	D	
H	X	X	Z
L	L	X	ON
L	L	L	L
L	L	H	H

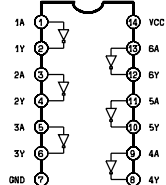


INPUTS		OUTPUTS
OE	An	
L	L	L
L	H	H
H	X	Z

TC74HC14A
(HEX SCHMITT
INVERTER)

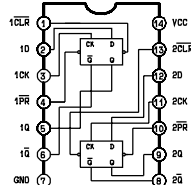


A	B	Y
L	L	H
L	H	L
H	L	L
H	H	L



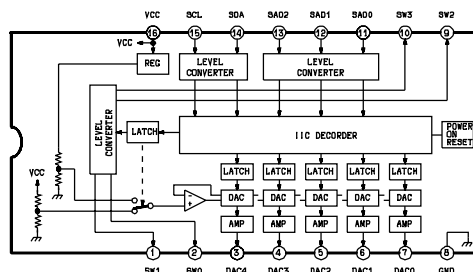
A	Y
L	H
H	L

TC74LCX74F

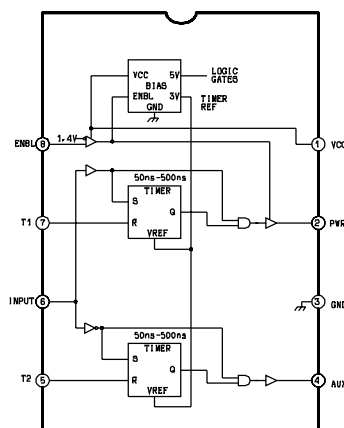


INPUTS				OUTPUTS		NO CHANGE
CLR	PR	D	CK	Q	Q	
L	H	X	X	L	H	CLEAR
H	L	X	X	H	L	PRESET
X	L	X	X	H	H	—
H	H	L	5	L	H	—
H	H	H	5	H	L	—
H	H	X	5	Q	Q	NO CHANGE

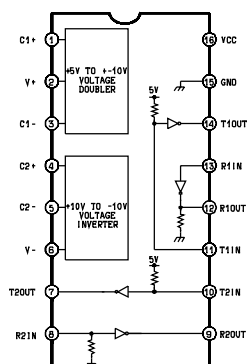
CXA1315M
(IIC-DAC CONVERTER)



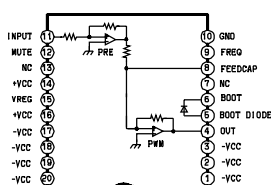
UC3715N
(FET DRIVER)



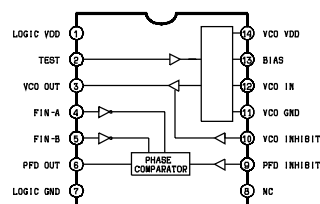
MAX232N5



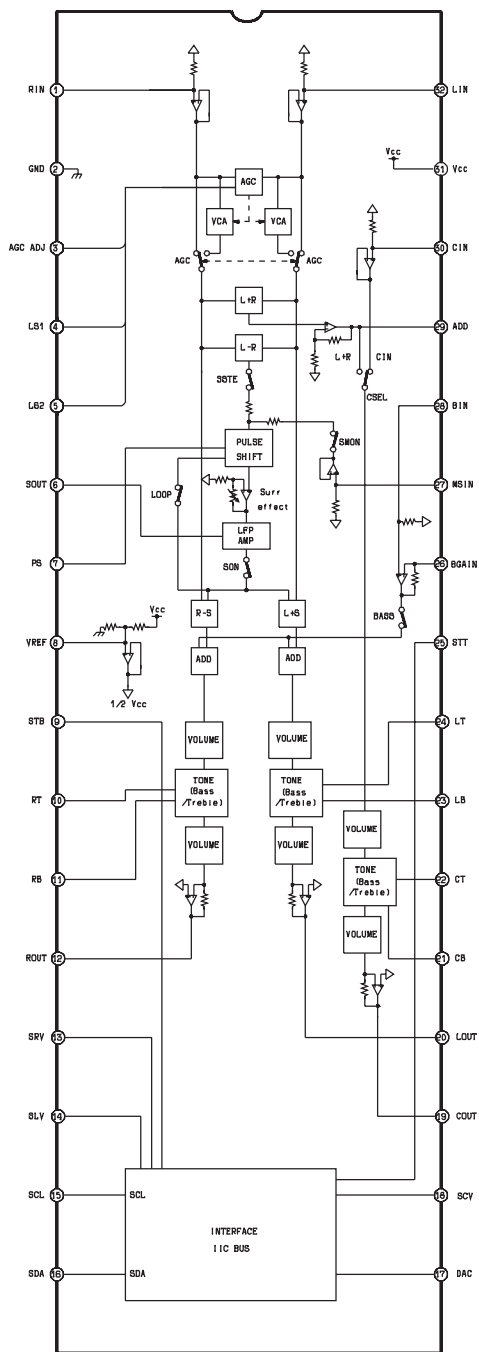
TDA7480
(AMPLIFIER)



TCL2933
(HIGH-PERFORMANCE
PHASE-LOCKED LOOP)

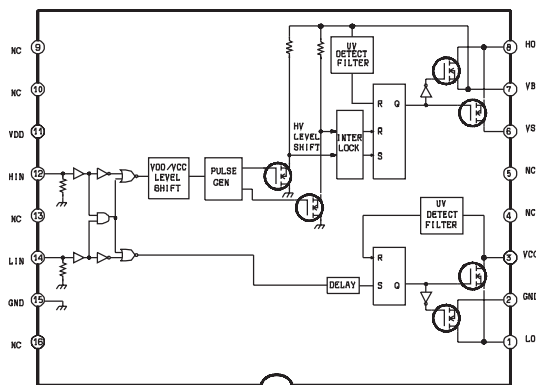


BH3866S
(AUDIO AMP)



PIN	INPUT	FUNCTION	PIN	INPUT	FUNCTION
1	RIN	R CH TRYSLE	17	DAC	EX, DAC
2	GND	GND	18	BOV	CH C CH SHOCK
3	ADG	ADG 6V ADJ	19	BOV	CH C CH SHOCK
4	LS1	ADG LEVEL, SENSOR1	20	LSV	CH C CH SHOCK
5	LS2	ADG LEVEL, SENSOR2	21	CN	CH C CH SHOCK
6	SOOT	SOOT 12V CH LPP	22	CH	CH C CH SHOCK
7	PS	PHASE SHIP	23	LB	CH C CH SHOCK
8	VREF	1/2 VCC	24	LT	CH C CH SHOCK
9	ST	ST 12V CH SHOCK	25	CH	CH C CH SHOCK
10	RF	R CH TRYSLE FC	26	BOAIN	BOASIS MY GAIN
11	RF	R CH BASS FC	27	MSIN	MONO SUR IN
12	CH	CH C CH SHOCK	28	CH	CH C CH SHOCK
13	CH	CH C CH SHOCK	29	CH	CH C CH SHOCK
14	SVL	VL CH C CH SHOCK	30	CH	CH C CH SHOCK
15	CH	CH C CH SHOCK	31	CH	CH C CH SHOCK
16	SDA	SERIAL DATA	32	LT	CH C CH SHOCK

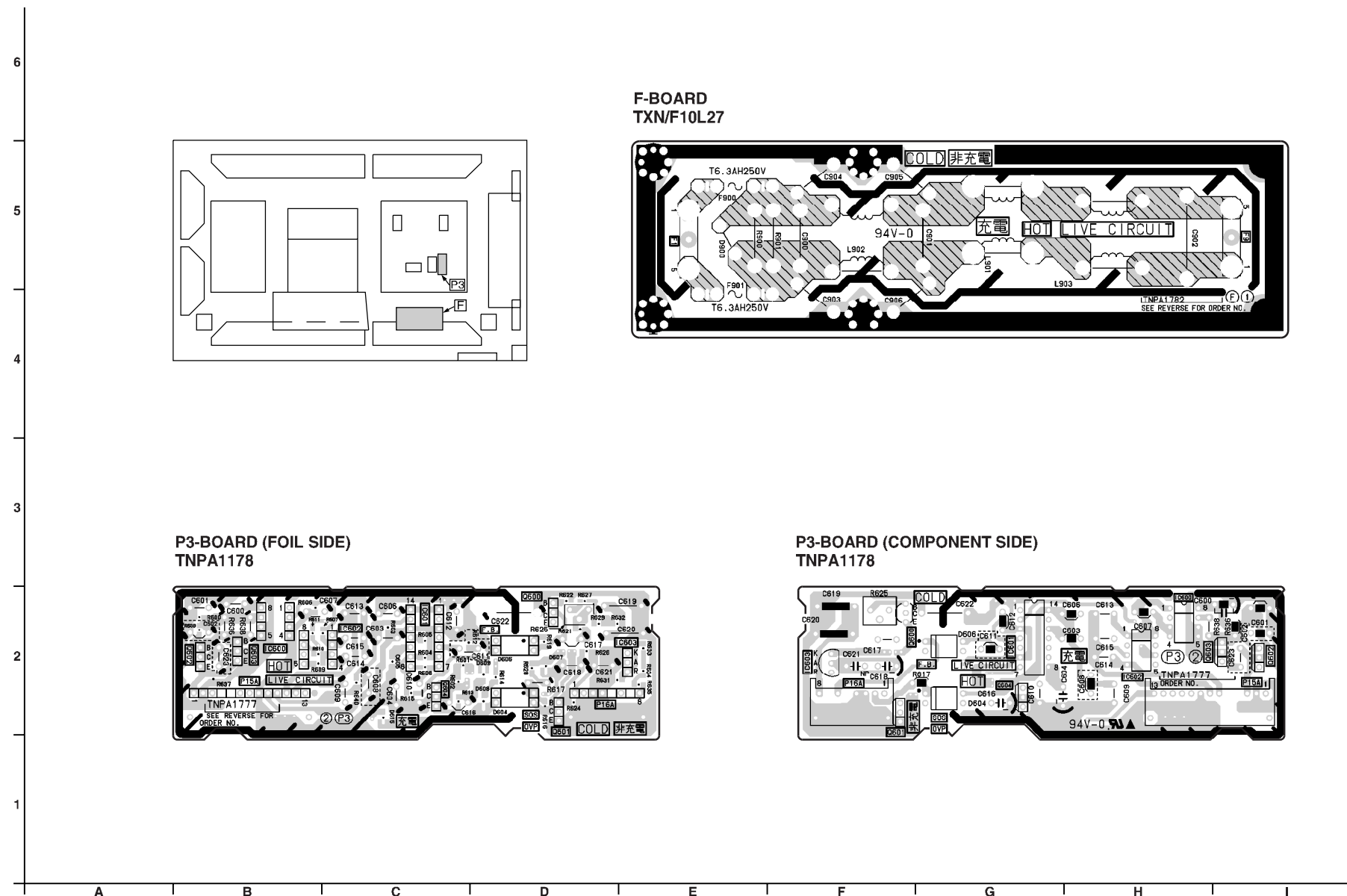
M63991FP
(HALF BRIGE DRIVER)



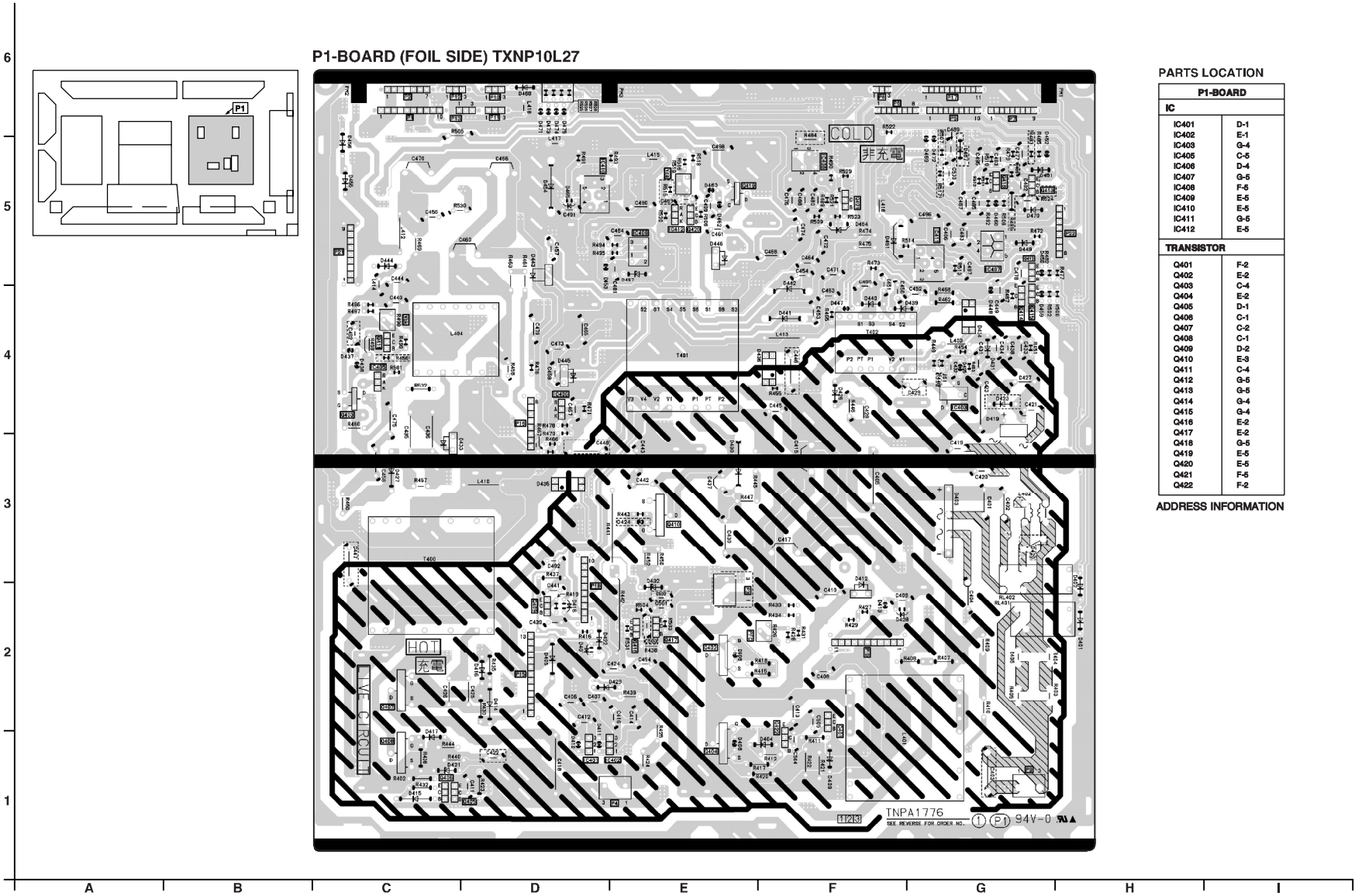
HTN	LIN	VBS	UV	VCC	UV	HO	LO	REMARK
0	0	0	0	0	0	0	0	NORMAL OFF
0	1	0	0	0	0	1	0	LO ON
1	0	0	0	0	1	0	0	HO ON
1	1	0	0	0	0	0	0	LIN, HTN,H LO, HO OFF
X	0	1	0	0	0	0	0	VBS UV CUT LO OFF
X	1	1	0	0	1	0	0	VBS UV CUT LO ON
0	X	0	1	0	0	0	0	VCC UV CUT HO OFF
1	X	0	1	1	1	0	0	VCC UV CUT HO ON

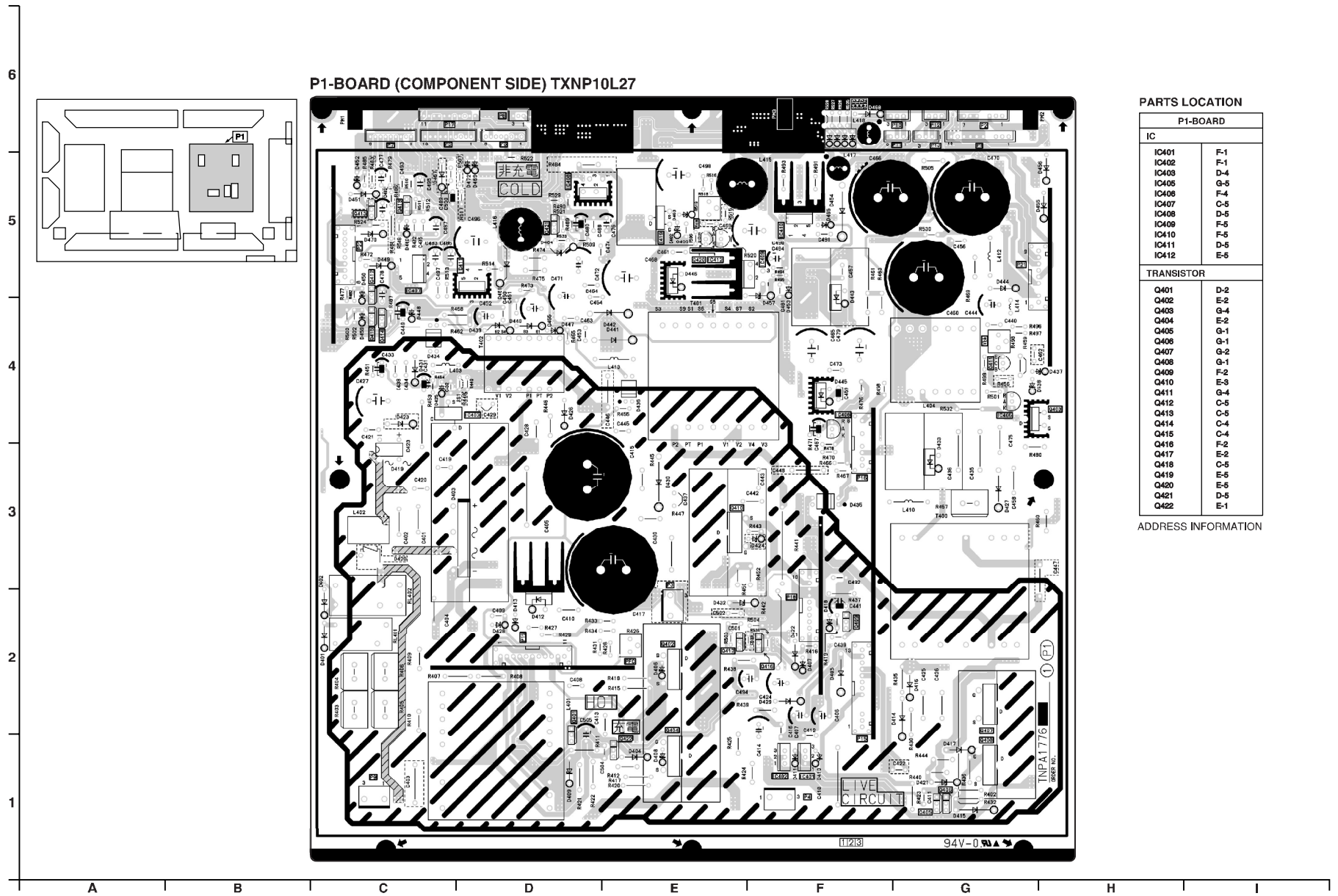
12 Conductor Views

12.1. F-Board and P3-Board

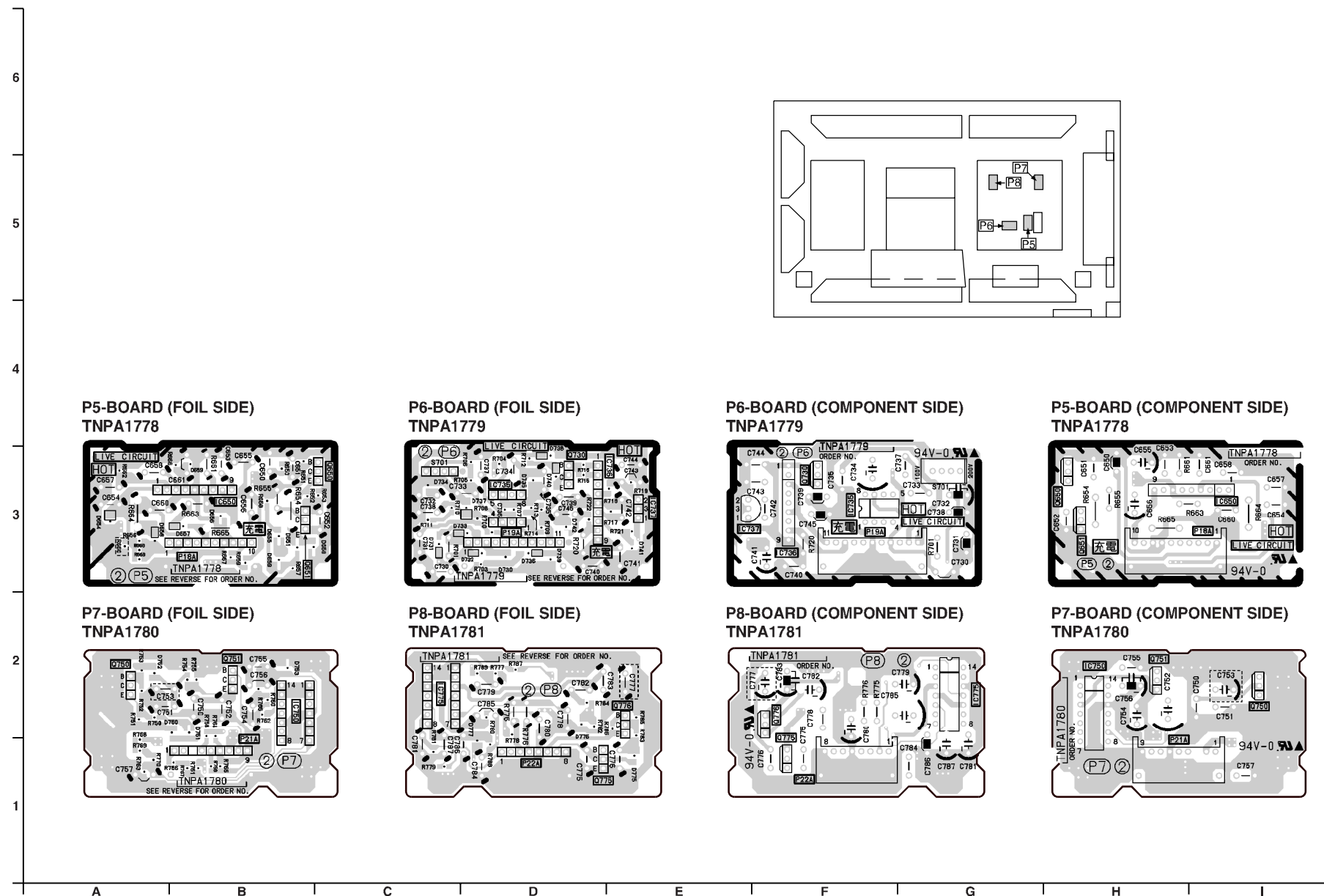


12.2. P1-Board





12.3. P5-Board, P6-Board, P7-Board and P8-Board

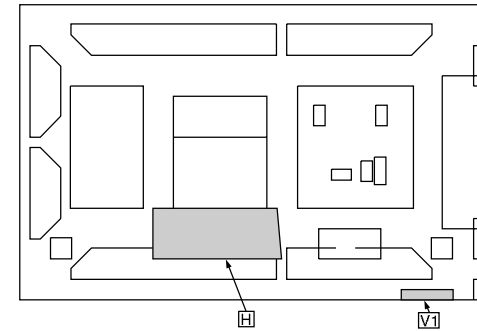


12.4. H-Board and V1-Board

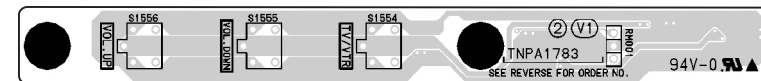
PARTS LOCATION

H-BOARD (FOIL SIDE)			
IC			
IC3509	C-3		
TP			
TP097	D-3		
TP104	E-3	TP132	D-3
TP118	G-3	TP133	E-3
TP119	G-3	TP134	D-3
TP120	F-3	TP135	D-3
TP121	G-3	TP136	C-3
TP122	F-3	TP137	D-3
TP123	F-3	TP138	D-3
TP124	C-3	TP139	C-3
TP125	C-3	TP140	D-3
TP126	C-3	TP141	D-3
TP127	C-3	TP142	E-3
TP128	C-3	TP143	E-3
TP129	C-3	TP144	D-3
TP130	C-3	TP145	E-3
TP131	C-3	TP146	E-3
		TP147	D-3
		TP148	E-3
		TP149	E-3
		TP150	E-3

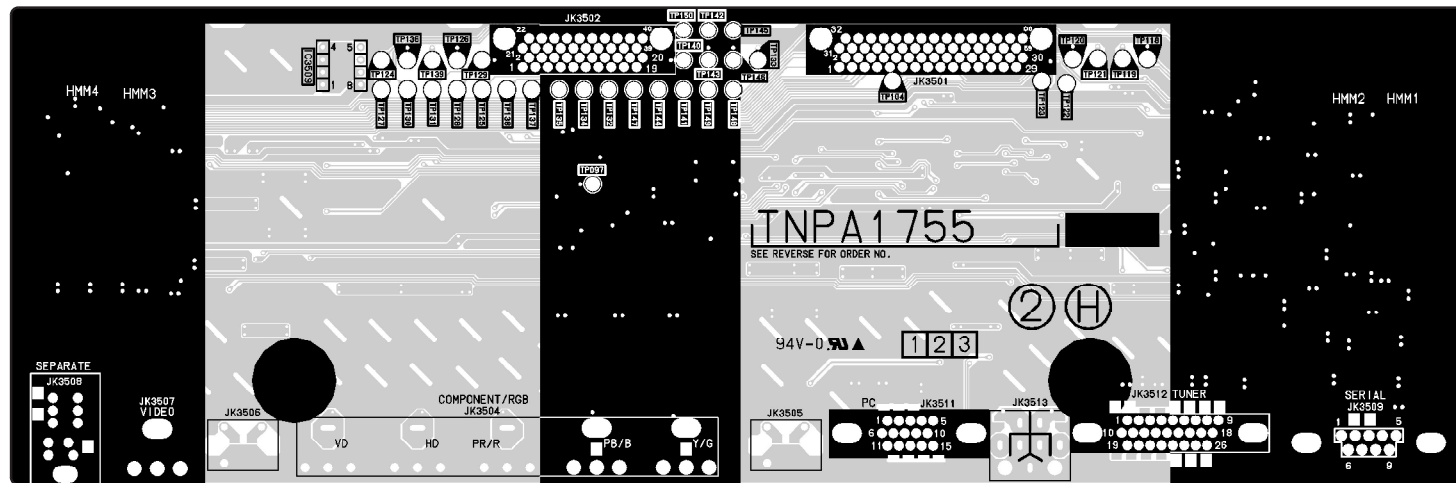
ADDRESS INFORMATION



V1-BOARD (FOIL SIDE) TNPA1783



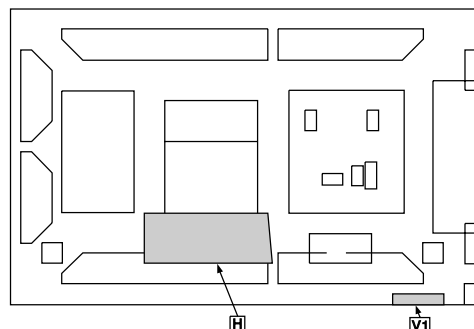
H-BOARD (FOIL SIDE) TXN/H10L28



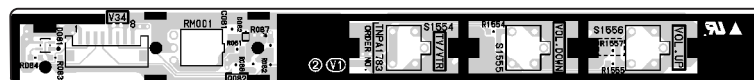
PARTS LOCATION

H-BOARD (COMPONENT SIDE)			
IC			
IC9502	D-2	Q3512	C-2
IC9503	B-3	Q3513	E-2
IC9504	E-3	Q3514	E-2
IC9505	D-3	Q3516	D-2
IC9506	G-3	Q3517	G-2
IC9507	F-2	Q3518	F-2
IC9508	D-3	Q3519	G-2
IC9509	G-3	Q3520	G-2
IC9511	B-2	Q3521	C-2
IC9512	B-2	Q3522	C-2
IC9513	B-3	Q3523	C-2
IC9514	C-2	Q3524	B-2
IC9515	B-2	Q3525	H-2
		Q3526	G-3
TRANSISTOR			
Q3501	H-2	Q3527	G-2
Q3503	H-2	Q3528	G-2
Q3504	E-2	Q3529	H-3
Q3505	E-2	Q3530	G-2
Q3506	F-2	Q3531	G-2
Q3507	D-2	Q3532	G-2
Q3508	D-2	Q3533	G-3
Q3509	D-2	Q3534	H-3
Q3510	C-2	Q3535	B-3
Q3511	C-2	Q3536	C-3

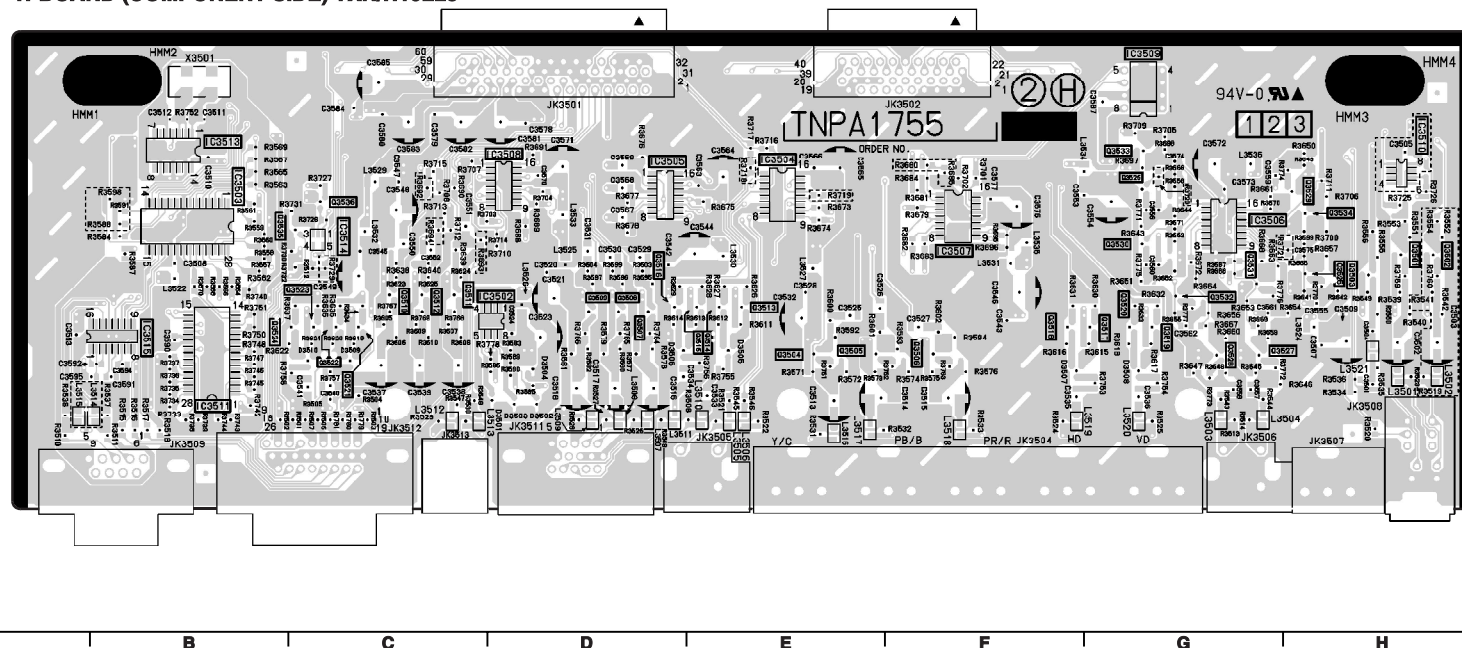
ADDRESS INFORMATION

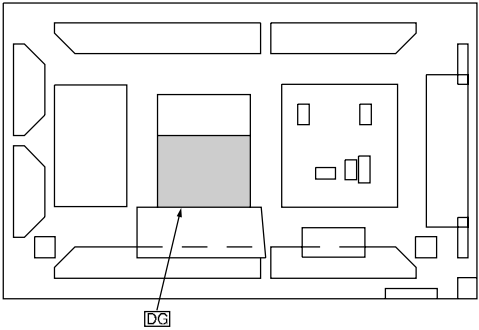


V1-BOARD (COMPONENT SIDE) TNPA1783



H-BOARD (COMPONENT SIDE) TXN/H10L28





PARTS LOCATION

DG-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC2301	D-5	Q2301	E-4
IC2302	E-5	Q2302	F-4
IC2401	E-3	Q2306	E-3
IC8010	B-2	Q8001	A-3
		Q8003	C-3
		Q8005	A-3
		Q8006	A-3
		Q8012	C-3
		Q8020	C-3
		Q8021	B-2
		Q8022	B-4
		Q8030	C-6
		Q8032	D-2
		Q8033	C-6

ADDRESS INFORMATION

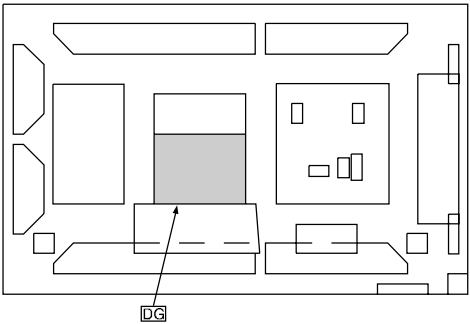
12.5. DG-Board

DG-BOARD (FOIL SIDE)
TXNDG10L28



DG-BOARD (COMPONENT SIDE)
TXNDG10L28

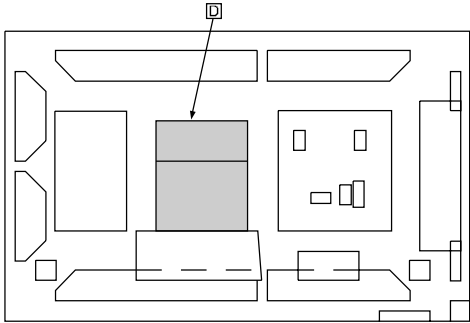




PARTS LOCATION

DG-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC2304	A-1	Q2303	B-4
IC2402	A-3	Q2304	A-4
IC9001	E-3	Q2305	A-3
IC9002	E-2	Q2401	B-2
IC9003	E-2	Q2402	A-2
IC9004	E-2	Q2403	B-3
IC9005	D-2	Q2404	B-2
IC9006	D-3	Q2405	A-2
IC9007	E-4	Q2406	B-2
IC9008	E-4	Q9002	C-3
IC9009	D-2	Q9004	D-3
IC9011	C-2	Q9007	D-3
IC9012	D-4	Q9008	D-3
IC9014	C-2	Q9009	D-3
IC9015	C-2	Q9010	E-3
IC9016	C-5	Q9013	E-3
IC9017	D-4	Q9015	E-3
IC9018	C-3	Q9016	D-3
IC9019	B-3	Q9018	E-3
IC9020	B-2	Q9019	E-3
IC9021	B-1	Q9023	D-4
IC9023	E-5	Q9031	C-2
IC9025	E-5	Q9042	B-4
IC9027	E-5	Q9043	C-4
IC9028	D-5	Q9044	C-4
IC9029	D-1	Q9045	C-4
IC9030	D-2	Q9046	C-4
IC9031	C-4	Q9047	C-4
IC9032	C-3	Q9048	C-4
IC9033	D-5		

ADDRESS INFORMATION

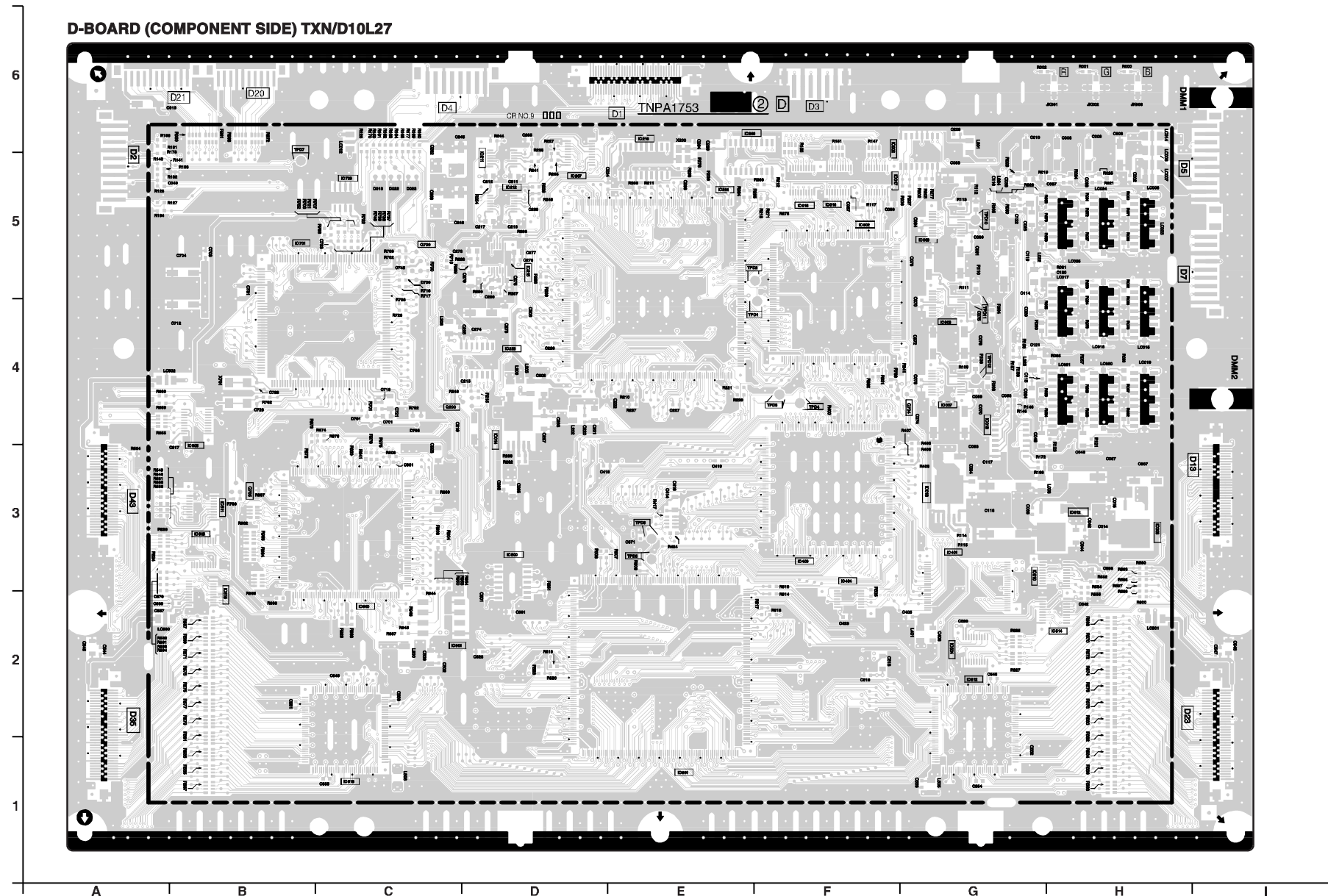


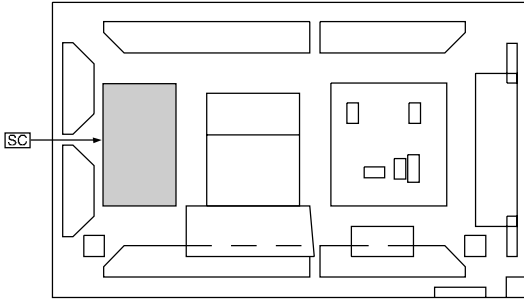
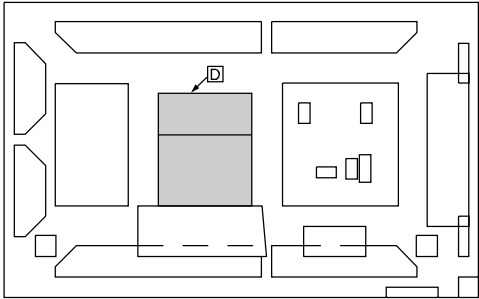
PARTS LOCATION

D-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC9000	B-6	Q9001	B-4
IC9001	B-6	Q9002	A-4
IC9004	B-4	Q9003	B-4
IC9005	B-4	Q9004	B-4
IC9006	B-5	Q9005	B-4
IC9019	C-4	Q9006	A-4
IC9020	C-4	Q9007	A-4
IC9021	B-5	Q9008	B-4
IC9020	F-4	Q9009	B-5
IC9201	E-4	Q9010	A-5
IC9209	E-5	Q9011	B-5
IC9213	F-6	Q9012	B-5
IC9214	F-5	Q9013	G-5
IC9217	F-5	Q9701	D-4
IC9402	E-3	Q9702	G-4
IC9403	E-3	Q9703	C-4
IC9502	D-2		
IC9503	D-2		
IC9506	E-2		
IC9507	F-2		
IC9508	C-1		
IC9509	G-2		
IC9516	F-2		
IC9702	H-4		
IC9703	G-5		
IC9704	F-4		
IC9705	G-4		
IC9902	G-3		
		IC9903	H-5
		IC9904	H-5
		IC9906	G-3
		IC9907	G-3

ADDRESS INFORMATION

D-BOARD (COMPONENT SIDE) TXN/D10L27





PARTS LOCATION

D-BOARD (COMPONENT SIDE)			
IC			
IC9003	H-3	IC9510	G-3
IC9007	G-4	IC9511	B-3
IC9008	G-4	IC9512	G-2
IC9009	G-5	IC9513	C-1
IC9012	H-3	IC9514	H-2
IC9013	G-4	IC9515	B-2
IC9014	D-4	IC9701	B-5
IC9015	F-5	IC9706	C-5
IC9016	F-5	IC9900	C-2
IC9017	F-5	IC9901	C-2
IC9018	G-3	IC9905	B-3
IC9202	F-5	TRANSISTOR	
IC9204	E-5	Q8200	C-4
IC9206	F-6	Q8700	C-5
IC9207	D-5	Q8704	G-4
IC9211	D-5	Q8705	B-3
IC9212	D-5	TP	
IC9215	D-5	TPD1	F-4
IC9216	E-6	TPD2	F-5
IC9223	D-4	TPD3	F-4
IC9302	F-5	TPD4	F-4
IC9400	F-3	TPD5	E-3
IC9401	G-3	TPD6	E-3
IC9404	F-3	TPD6	E-3
IC9500	D-3	TPD7	B-7
IC9501	E-1	TPD10	G-5
IC9504	G-2	TPD11	G-4
IC9505	B-3	TPD12	G-4

ADDRESS INFORMATION

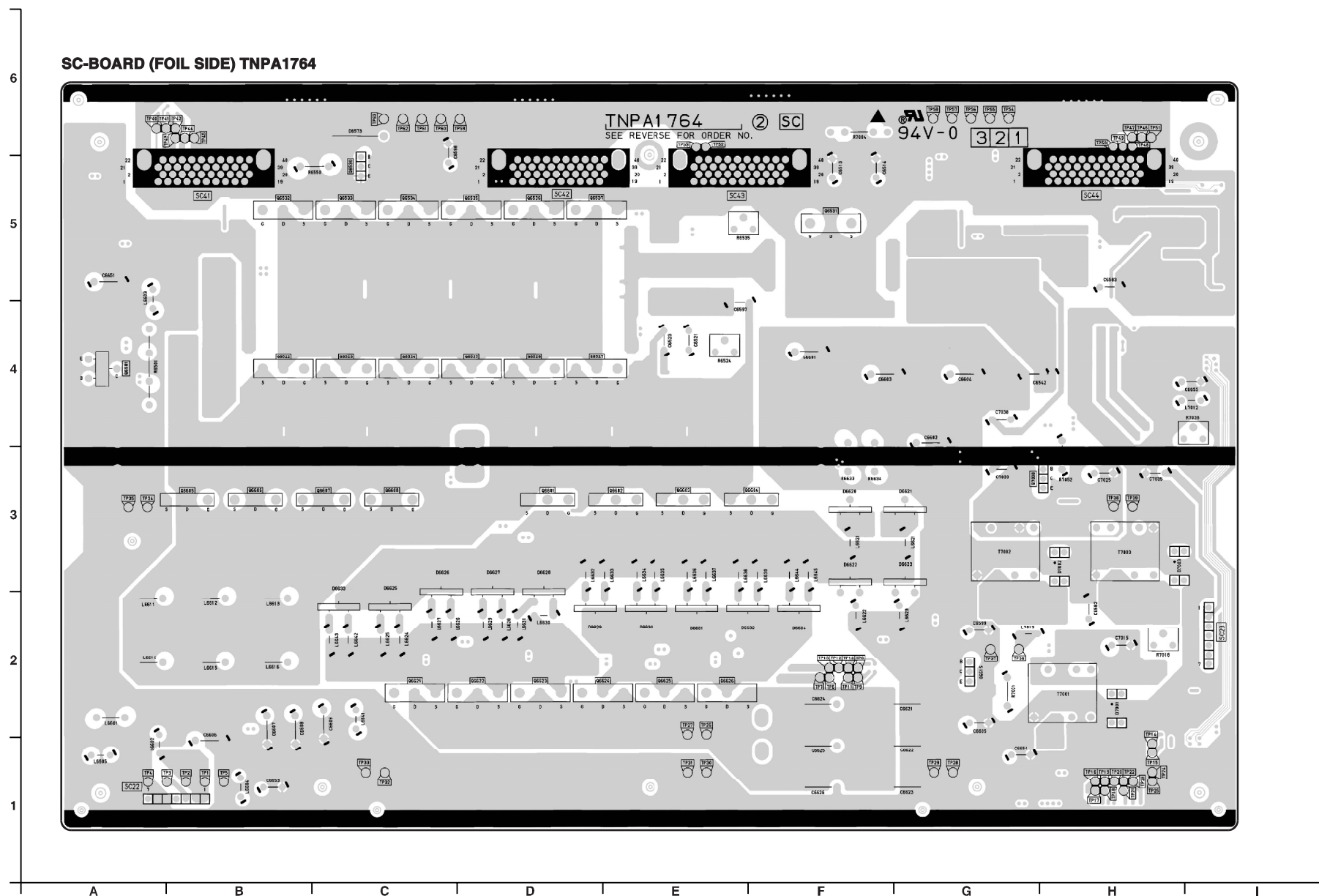
PARTS LOCATION

SC-BOARD (FOIL SIDE)					
TRANSISTOR		TP			
Q6501	A-4	TP1	B-1	TP34	A-3
Q6522	B-4	TP2	B-1	TP35	A-3
Q6523	C-4	TP3	A-1	TP36	G-2
Q6524	C-4	TP4	A-1	TP37	G-2
Q6524	D-4	TP5	B-1	TP38	H-3
Q6526	D-4	TP6	F-2	TP39	H-3
Q6527	D-4	TP7	F-2	TP40	A-5
Q6530	C-5	TP8	F-2	TP41	B-5
Q6531	F-5	TP9	F-2	TP42	B-6
Q6532	B-5	TP10	F-2	TP43	B-6
Q6533	C-5	TP11	F-2	TP44	B-6
Q6534	C-5	TP12	F-2	TP45	B-6
Q6535	D-5	TP13	F-2	TP46	H-6
Q6536	D-5	TP14	H-1	TP47	H-6
Q6537	D-5	TP15	H-1	TP48	H-6
Q6601	D-3	TP16	H-1	TP49	H-6
Q6602	E-3	TP17	H-1	TP50	H-6
Q6603	E-3	TP18	H-1	TP51	H-6
Q6604	E-3	TP19	H-1	TP52	E-6
Q6605	B-3	TP20	H-1	TP53	E-6
Q6601	B-3	TP21	H-1	TP54	G-6
Q6607	C-3	TP22	H-1	TP55	G-6
Q6608	C-3	TP23	H-1	TP56	G-6
Q6615	G-2	TP24	H-1	TP57	G-6
Q6621	C-2	TP25	H-1	TP58	G-6
Q6622	D-2	TP26	E-2	TP59	D-6
Q6623	D-2	TP27	E-2	TP60	C-6
Q6624	D-2	TP28	G-1	TP61	C-6
Q6625	E-2	TP29	G-1	TP62	C-6
Q6626	E-2	TP30	E-1	TP63	C-6
Q7038	G-3	TP31	E-1		
		TP32	C-1		
		TP33	C-1		

ADDRESS INFORMATION

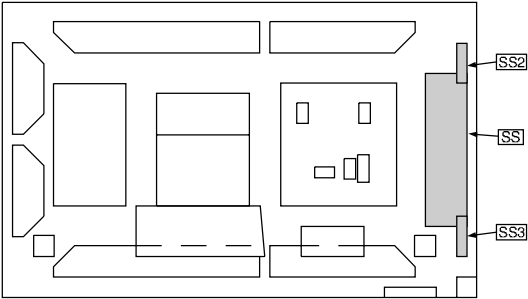
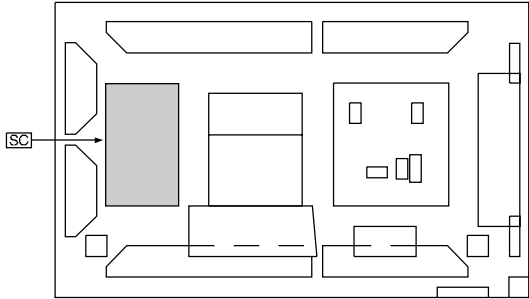
12.7. SC-Board

SC-BOARD (FOIL SIDE) TNPA1764



A vertical scale with numbers 1 through 6. Each number is positioned to the left of a horizontal tick mark. The scale is oriented vertically, with 1 at the bottom and 6 at the top.





PARTS LOCATION

SC-BOARD (COMPONENT SIDE)						
IC	TRANSISTOR		TP			
IC6501	A-5	Q6501	I-4	Q6611	F-3	
IC6502	B-4	Q6511	C-6	Q6612	E-3	TP15V
IC6503	B-5	Q6512	C-5	Q6613	G-3	TPSC1
IC6504	B-5	Q6521	E-5	Q6614	G-3	TPSC2
IC6505	A-5	Q6522	G-4	Q6615	C-2	TPVSCN
IC6506	A-5	Q6523	G-4	Q6616	B-2	TPVSET
IC6507	B-5	Q6524	F-4	Q6621	G-2	TPVAD
IC6508	B-5	Q6525	F-4	Q6622	F-2	TPVBK
IC6509	B-5	Q6526	F-4	Q6623	E-2	
IC6510	B-5	Q6527	E-4	Q6624	E-2	
IC6511	B-5	Q6528	E-4	Q6625	E-2	
IC6521	E-4	Q6530	G-5	Q6626	D-2	
IC6531	E-5	Q6531	D-5	Q6627	F-2	
IC6532	G-5	Q6532	G-5	Q6628	F-2	
IC6541	C-5	Q6533	G-5	Q6629	E-2	
IC6601	F-3	Q6534	F-5	Q6630	E-2	
IC6602	E-2	Q6535	F-5	Q6641	H-5	
IC6603	D-2	Q6536	F-5	Q6642	H-4	
IC6604	H-5	Q6537	E-5	Q6643	H-4	
IC6605	C-2	Q6538	E-5	Q6644	H-4	
IC6606	A-2	Q6539	F-5	Q6645	H-5	
IC7001	A-2	Q6541	C-4	Q6646	H-6	
IC7003	A-3	Q6542	C-4	Q7001	B-1	
IC7004	A-4	Q6543	B-4	Q7002	B-2	
IC7005	B-4	Q6544	C-5	Q7003	B-2	
IC7006	B-3	Q6550	A-2	Q7011	B-1	
		Q6601	E-3	Q7012	B-2	
		Q6602	E-3	Q7021	B-2	
		Q6603	D-3	Q7031	A-2	
		Q6604	D-3	Q7032	A-3	
		Q6605	H-3	Q7034	A-5	
		Q6606	C-3	Q7035	B-5	
		Q6607	G-3	Q7037	B-3	
		Q6608	F-3	Q7038	B-3	

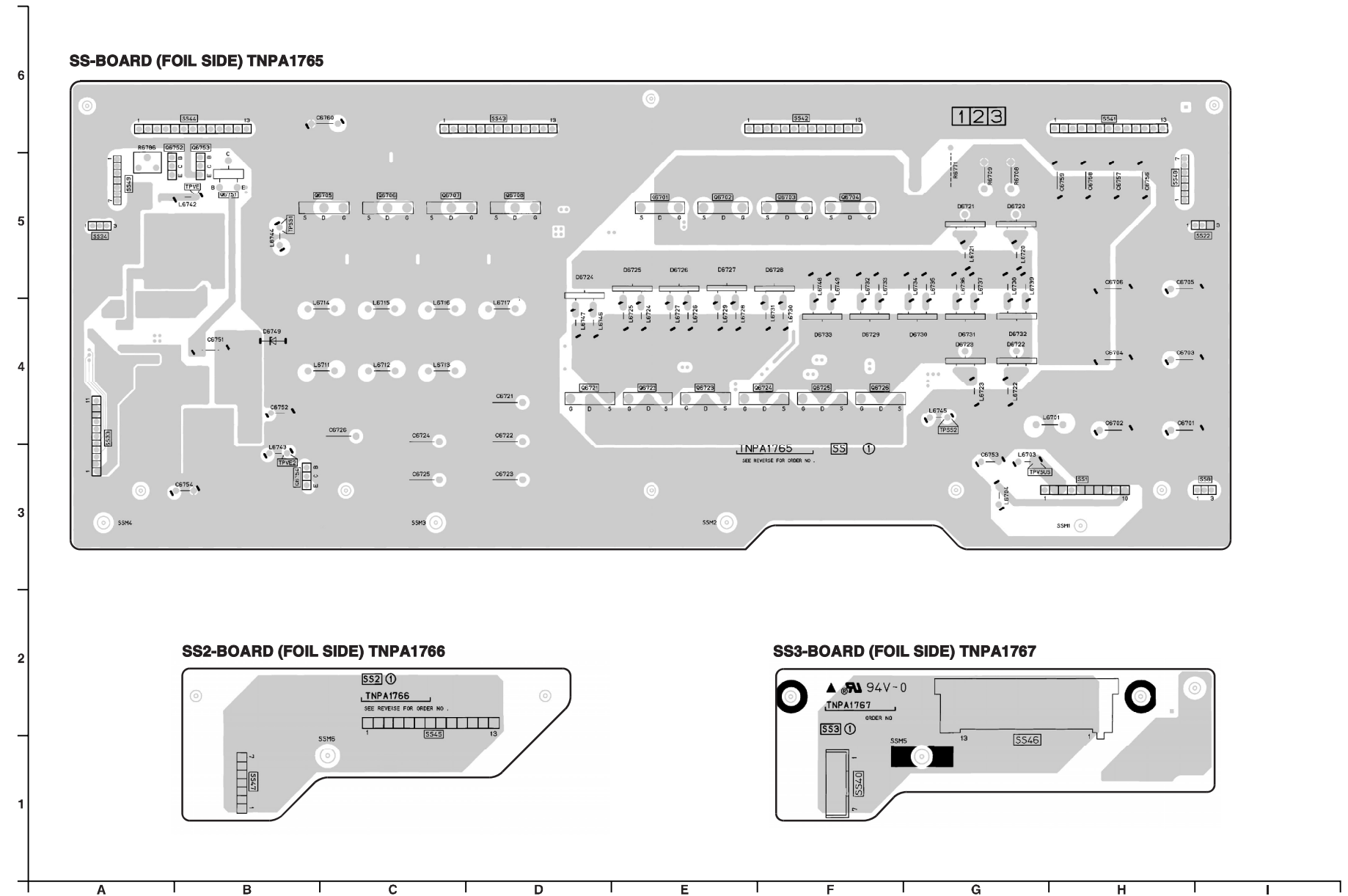
ADDRESS INFORMATION

PARTS LOCATION

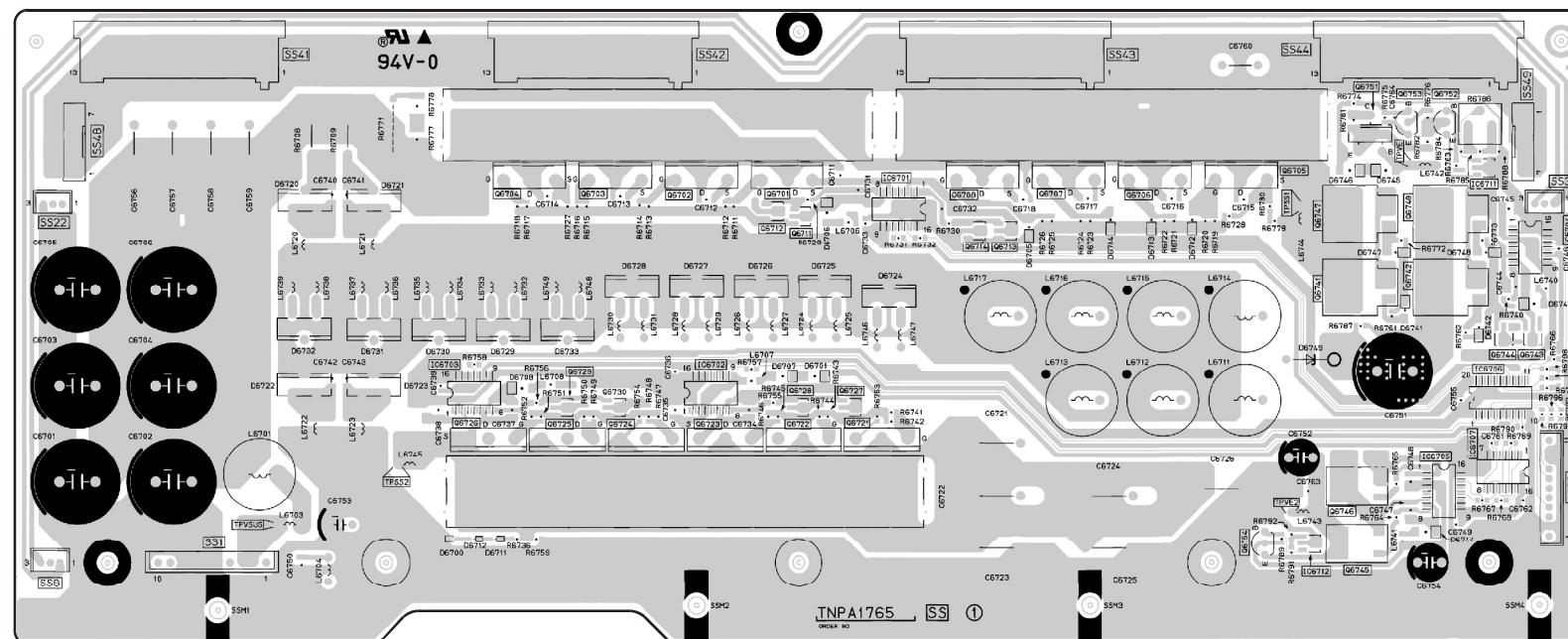
SS-BOARD (FOIL SIDE)			
TRANSISTOR		TP	
Q6701	E-5	TPSS1	B-5
Q6702	E-5	TPSS2	G-4
Q6703	F-5	TPVE	B-5
Q6704	F-5	TPVE2	B-3
Q6705	C-5	TPVSUS	G-3
Q6706	C-5		
Q6707	C-5		
Q6708	D-5		
Q6721	D-4		
Q6722	E-4		
Q6723	E-4		
Q6724	F-4		
Q6725	F-4		
Q6726	F-4		
Q6751	B-5		
Q6752	A-6		
Q6753	B-6		
Q6754	B-3		

ADDRESS INFORMATION

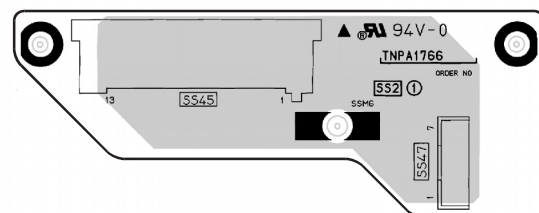
12.8. SS-Board, SS2-Board and SS3-Board



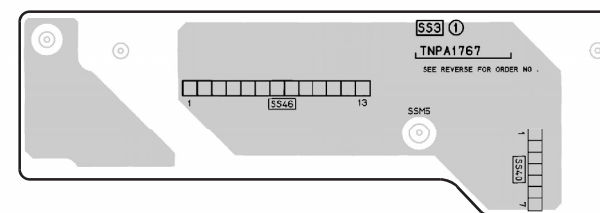
SS-BOARD (COMPONENT SIDE) TNPA1765



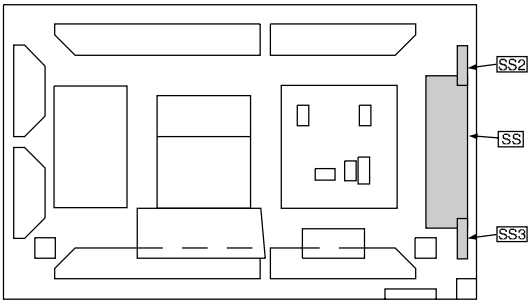
SS2-BOARD (COMPONENT SIDE) TNPA1766



SS3-BOARD (COMPONENT SIDE) TNPA1767



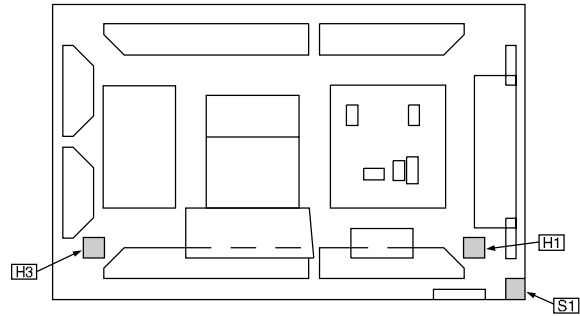
12.9. H3-Board and S1-Board



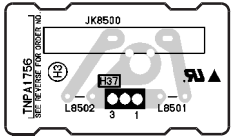
PARTS LOCATION

SS-BOARD (COMPONENT SIDE)			
IC			
IC6701	E-5	Q6725	D-4
IC6702	D-4	Q6726	C-4
IC6703	C-4	Q6727	E-4
IC6704	I-5	Q6728	E-4
IC6705	H-4	Q6729	D-4
IC6706	H-4	Q6730	D-4
IC6707	H-4	Q6741	G-5
IC6711	G-5	Q6742	H-5
IC6712	G-3	Q6743	H-4
		Q6744	H-4
		Q6745	H-3
		Q6746	H-3
		Q6747	G-5
		Q6748	H-5
		Q6751	H-6
		Q6752	H-6
		Q6753	H-6
TRANSISTOR			
Q6701	E-5		
Q6702	D-5		
Q6703	D-5		
Q6704	C-5		
Q6705	G-5		
Q6706	G-5		
Q6707	F-5		
Q6708	F-5		
Q6711	E-5		
Q6712	E-5		
Q6713	F-5		
Q6714	F-5		
Q6721	E-4		
Q6722	E-4		
Q6723	D-4		
Q6724	D-4		
		TP	
		TPSS1	G-5
		TPSS2	G-4
		TPVE	G-5
		TPVE2	G-3
		TPVSUS	B-3

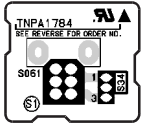
ADDRESS INFORMATION



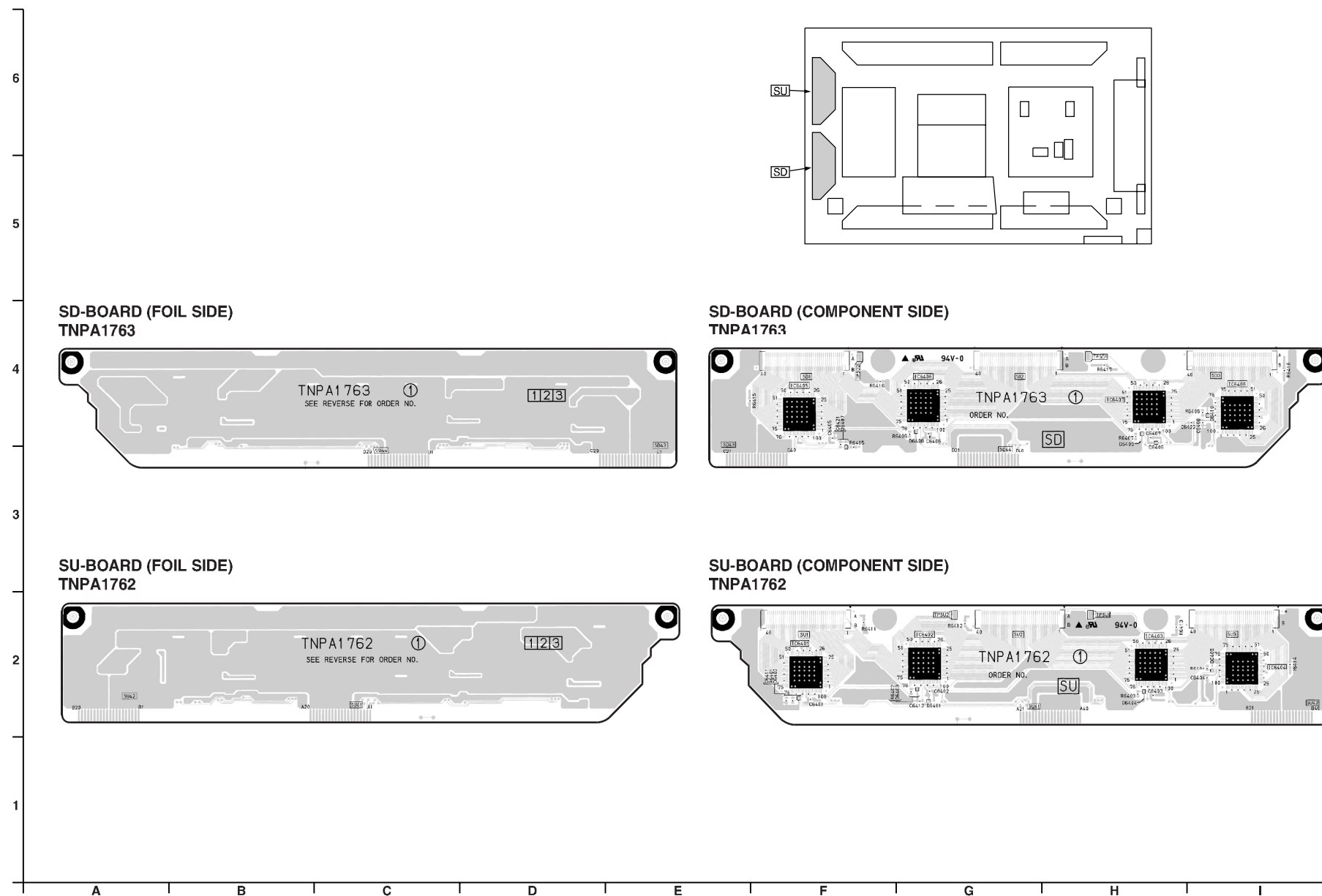
H3-BOARD TNPA1756



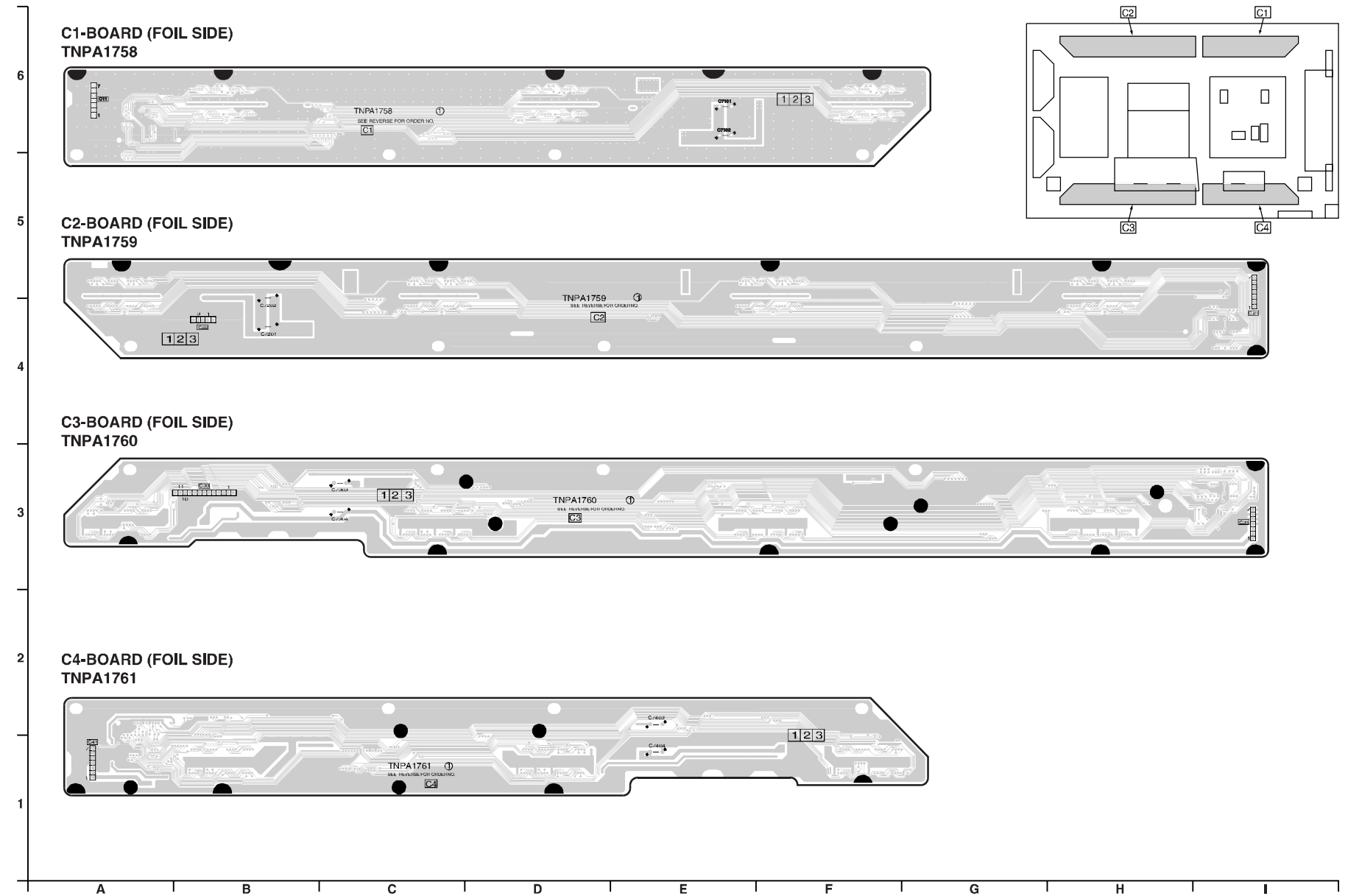
S1-BOARD TNPA1784



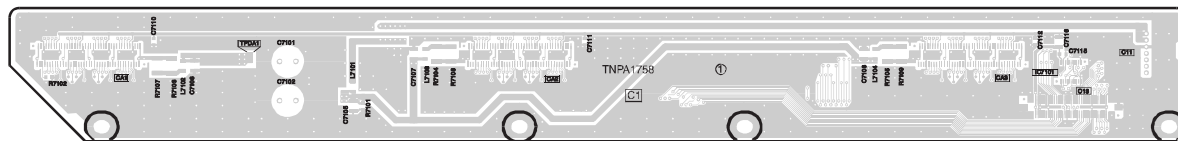
12.10. SD-Board and SU-Board



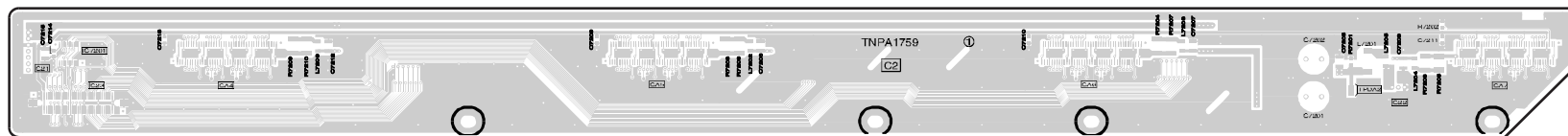
12.11. C1-Board, C2-Board, C3-Board, C4-Board



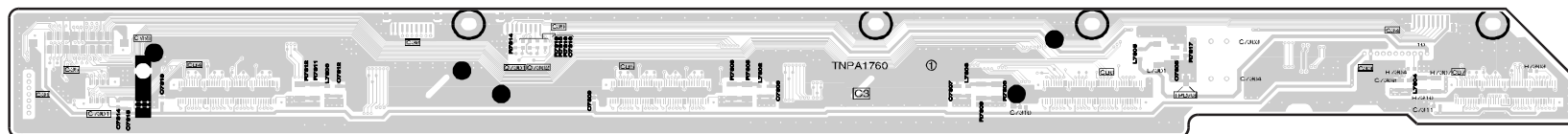
C1-BOARD (COMPONENT SIDE)
TNPA1758



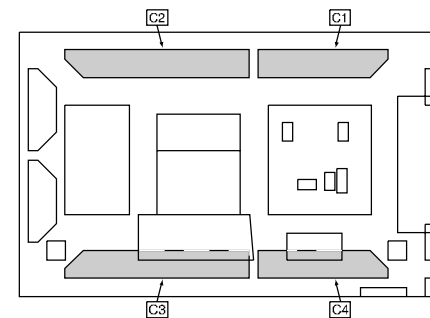
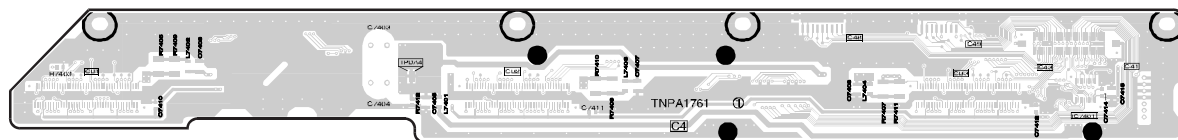
C2-BOARD (COMPONENT SIDE)
TNPA1759



C3-BOARD (COMPONENT SIDE)
TNPA1760



C4-BOARD (COMPONENT SIDE)
TNPA1761



13 Block and Schematic Diagrams

13.1. Schematic Diagram Notes

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:

Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

\bigcirc	: Nonflammable	\boxtimes	: Metal Oxide
\triangle	: Solid	\odot	: Metal Film
\boxplus	: Wire Wound	\otimes	: Fuse:

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is μ F, unless otherwise noted.

\otimes	: Temperature Compensation	$\begin{array}{c} + \\ \text{---} \text{---} \text{---} \\ \text{---} \text{---} \text{---} \\ - \end{array}$: Electrolytic
\textcircled{M}	: Polyester	$\begin{array}{c} + \\ \text{---} \text{---} \text{---} \\ \text{---} \text{---} \text{---} \\ - \end{array}$: Bipolar
\textcircled{MP}	: Metalized Polyester	$\textcircled{1}$: Dipped Tantalum
\boxtimes	: Polypropylene	\textcircled{Z}	: Z-Type

3. Coil

Unit of inductance is μ H, unless otherwise noted.

4. Test Point

\bigcirc : Test Point position

5. Earth Symbol

$\text{---} \text{---} \text{---}$: Chassis Earth (Cold) \downarrow : Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source AC 110V (U version), / AC240V
(A, B, and E version)

Receiving Signal Colour Bar signal (RF)

All customer's controls Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark (\nearrow) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. : Video \Rightarrow Audio \Leftrightarrow

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

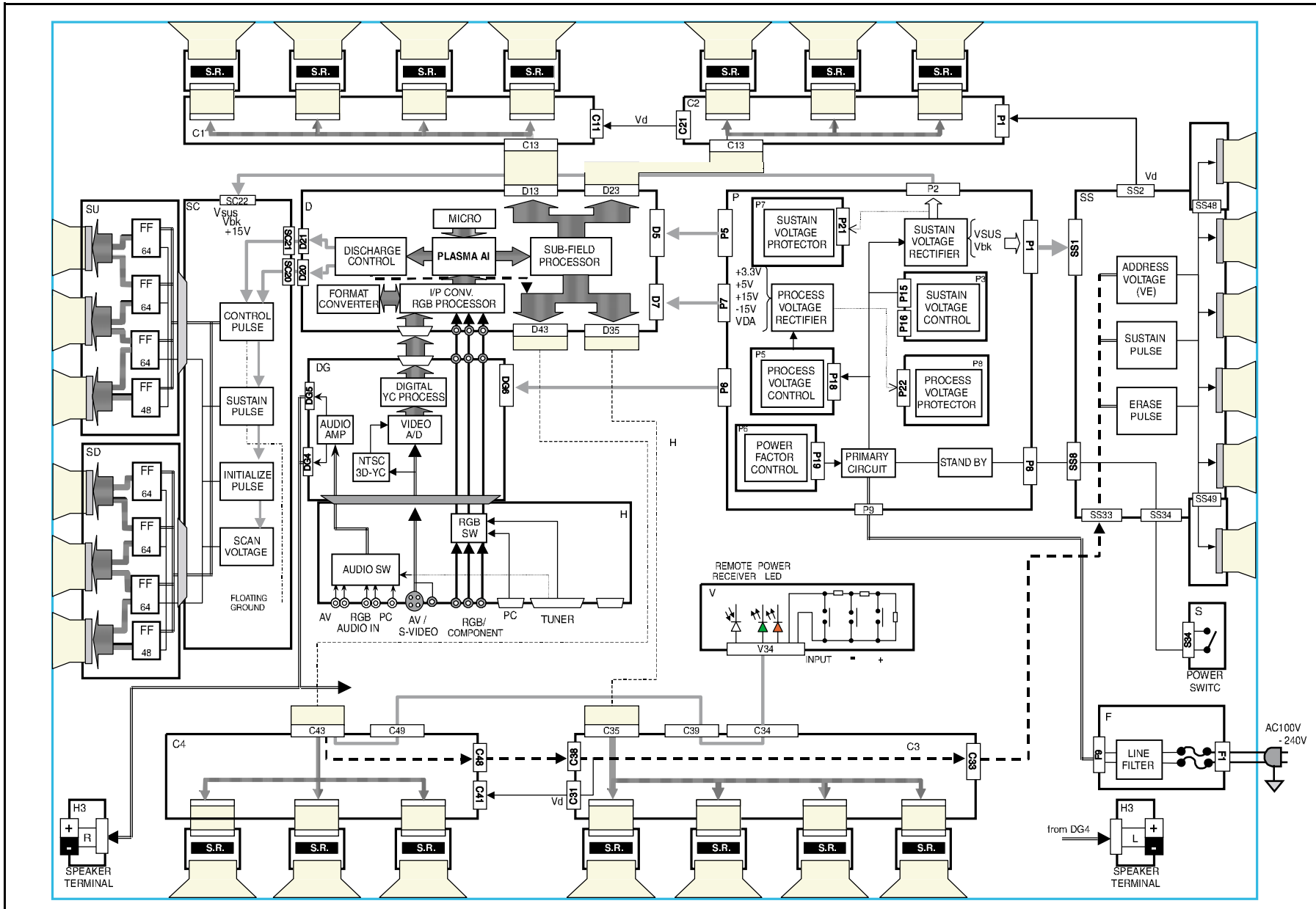
- The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.

All circuits, except the Power Circuit, are cold.

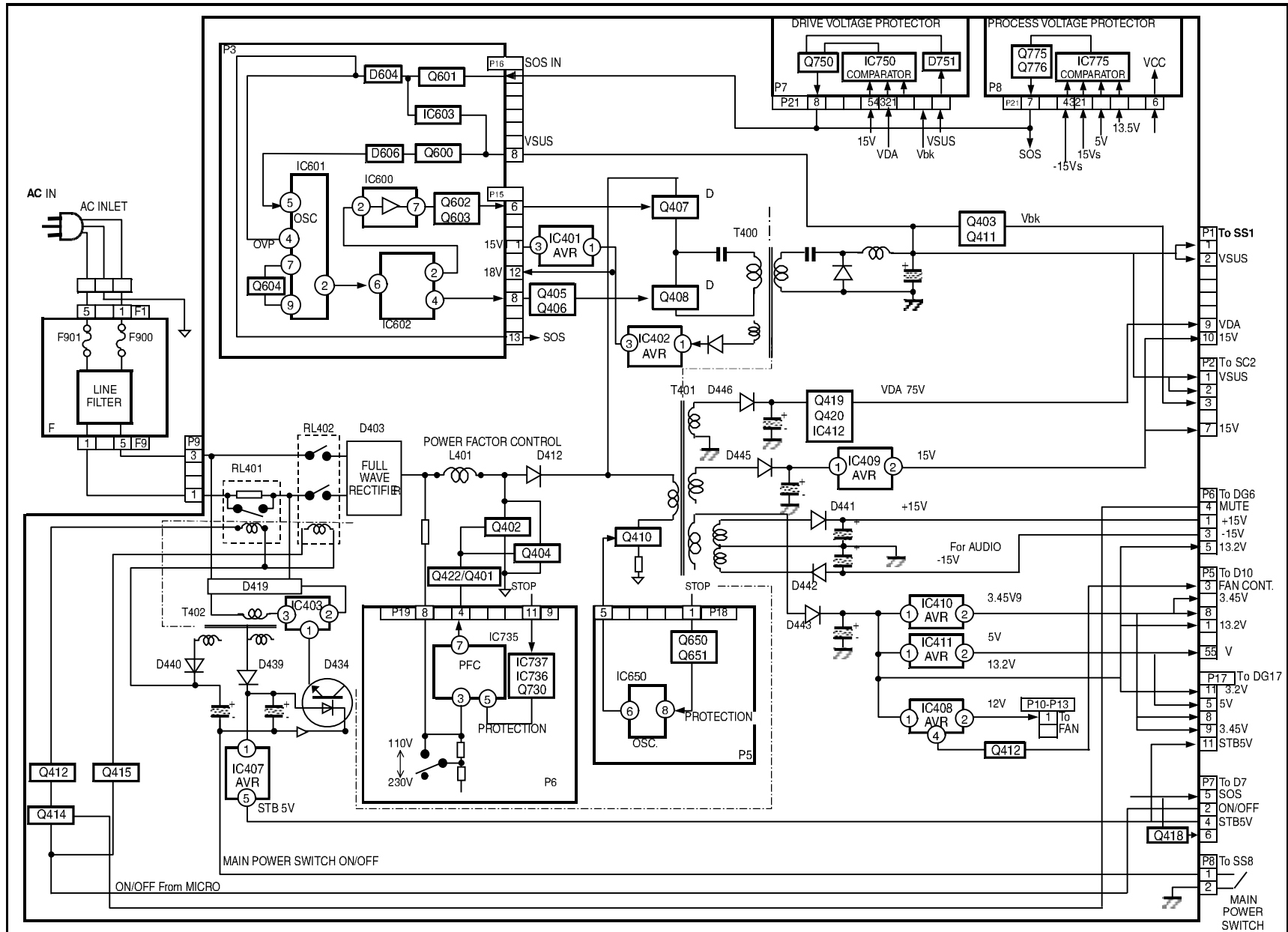
Precautions

- Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - Make sure to disconnect the power plug before removing the chassis.
- Following diodes are interchangeable.
MA150- MA162 (Replacement part)

13.2. Main Block Diagrams

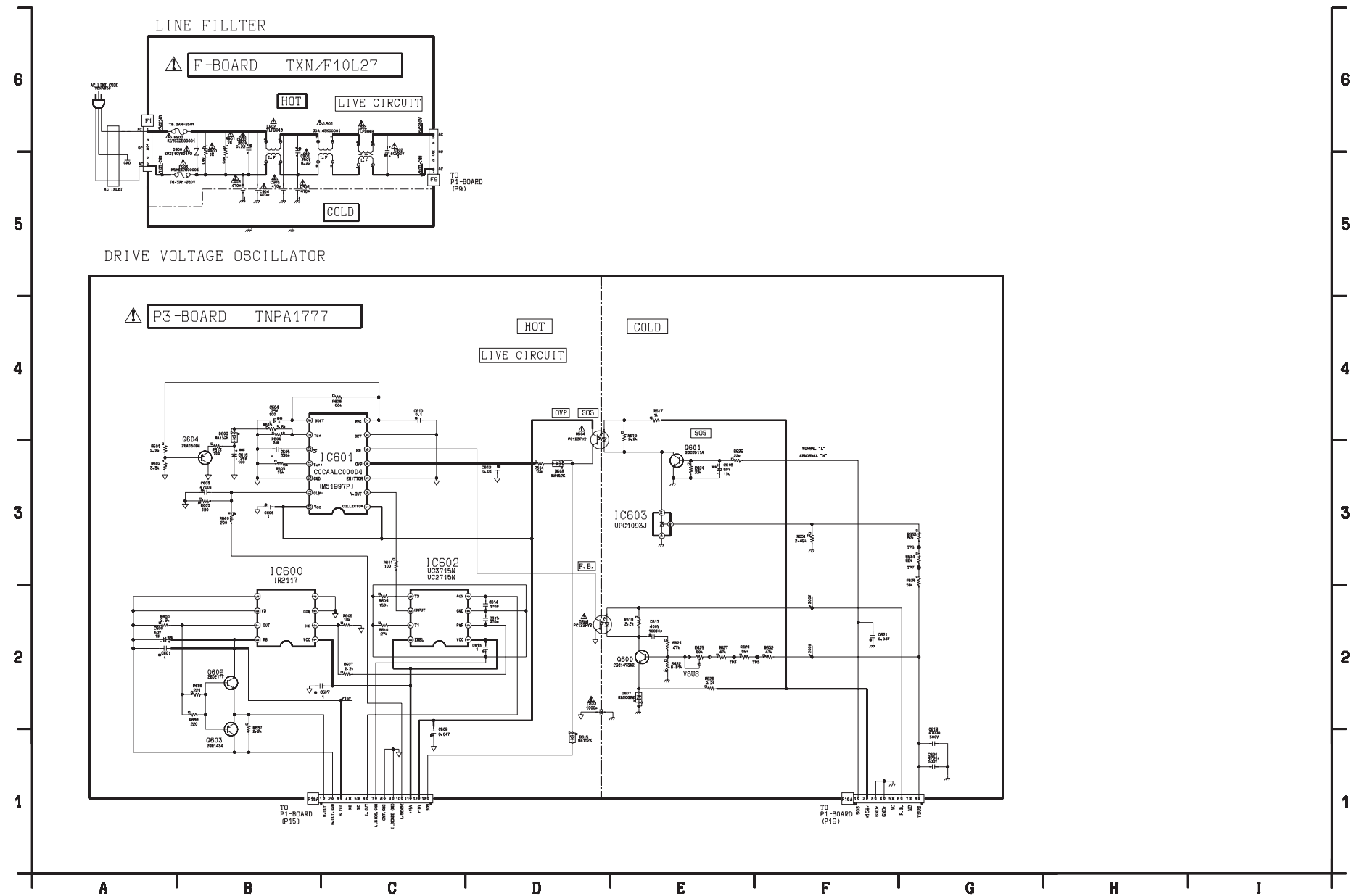


13.3. P1, P3, P5, P6, P7, P8, and F-Board Block Diagrams

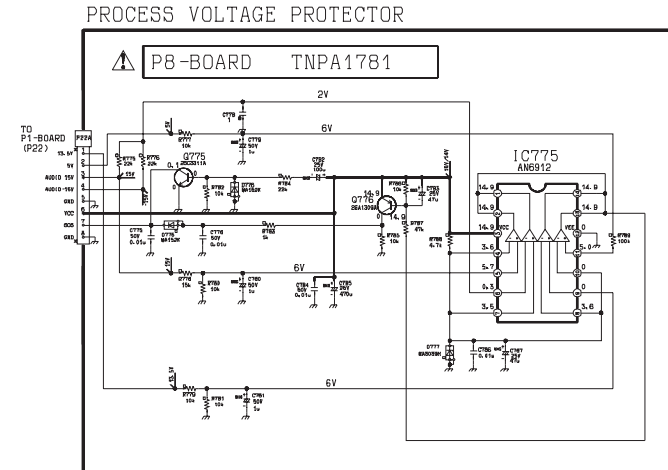
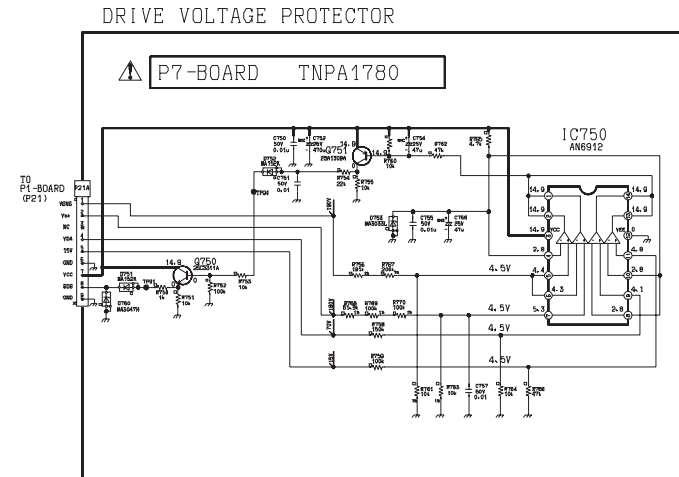
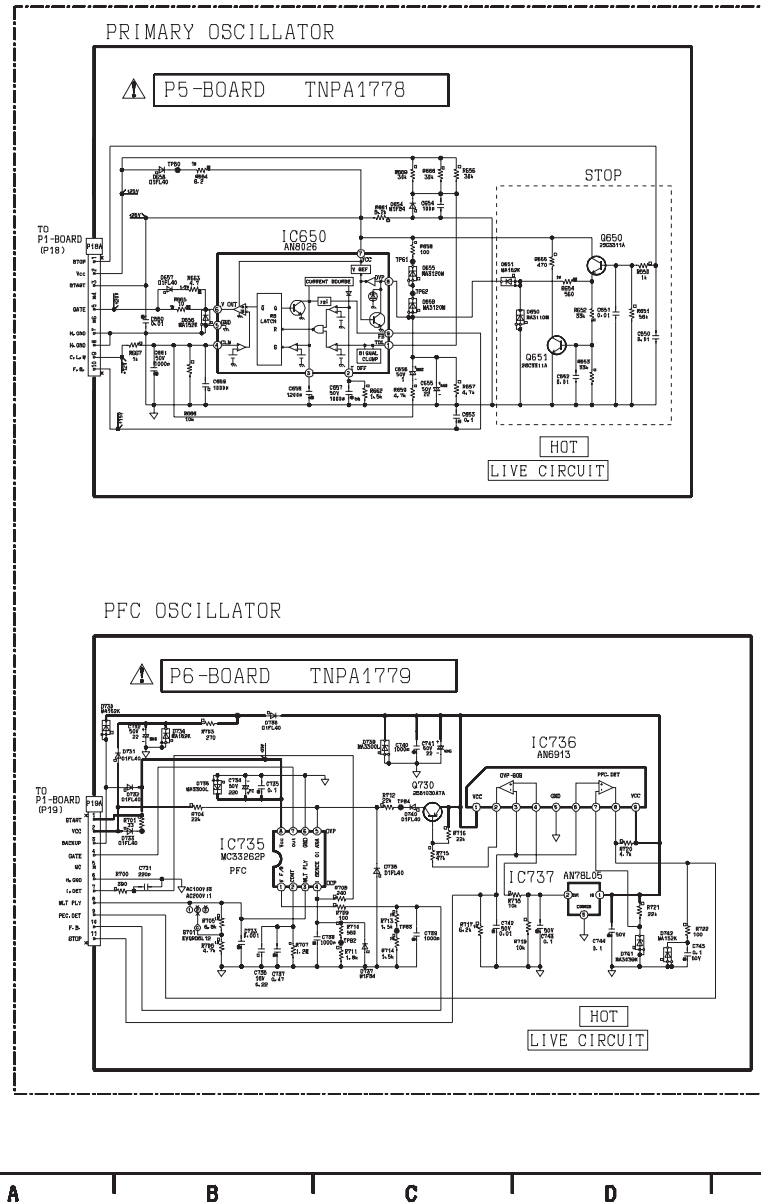




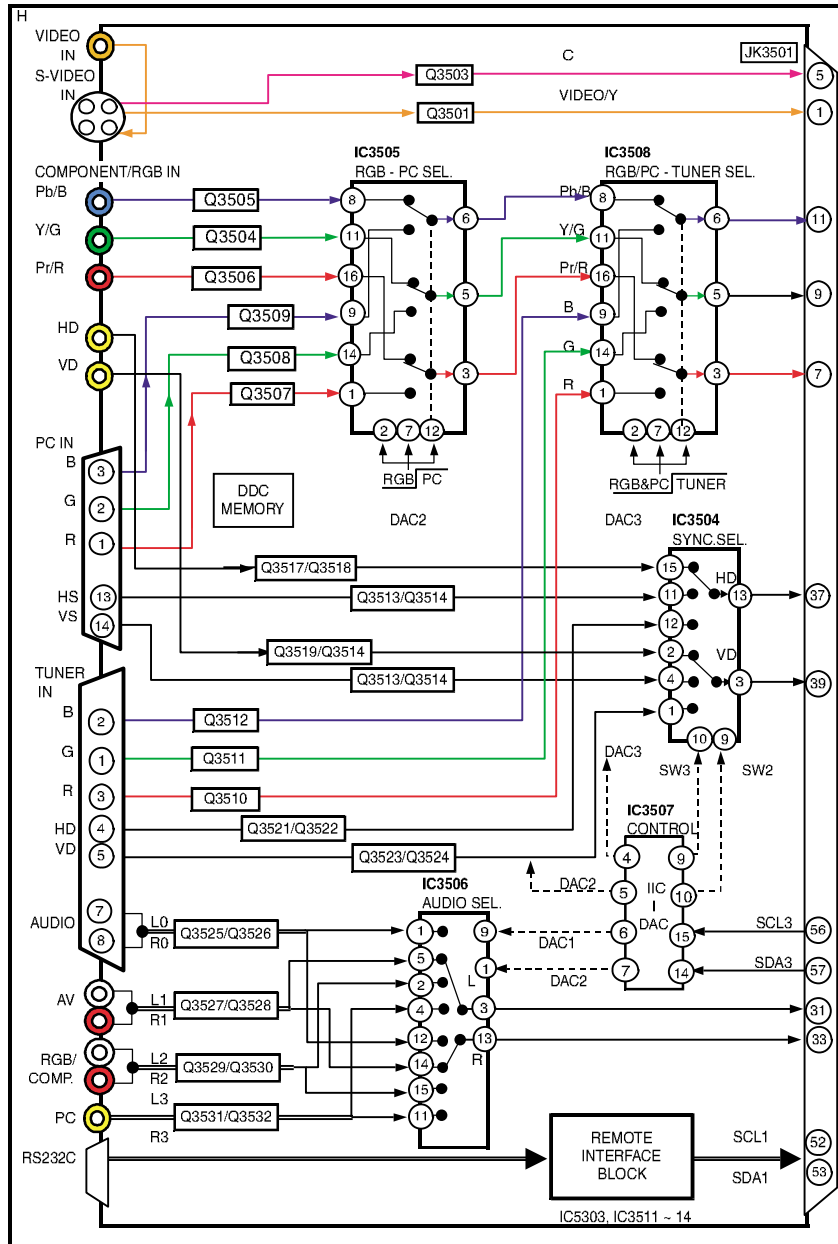
13.5. P3-Board, and F-Board Schematic Diagrams



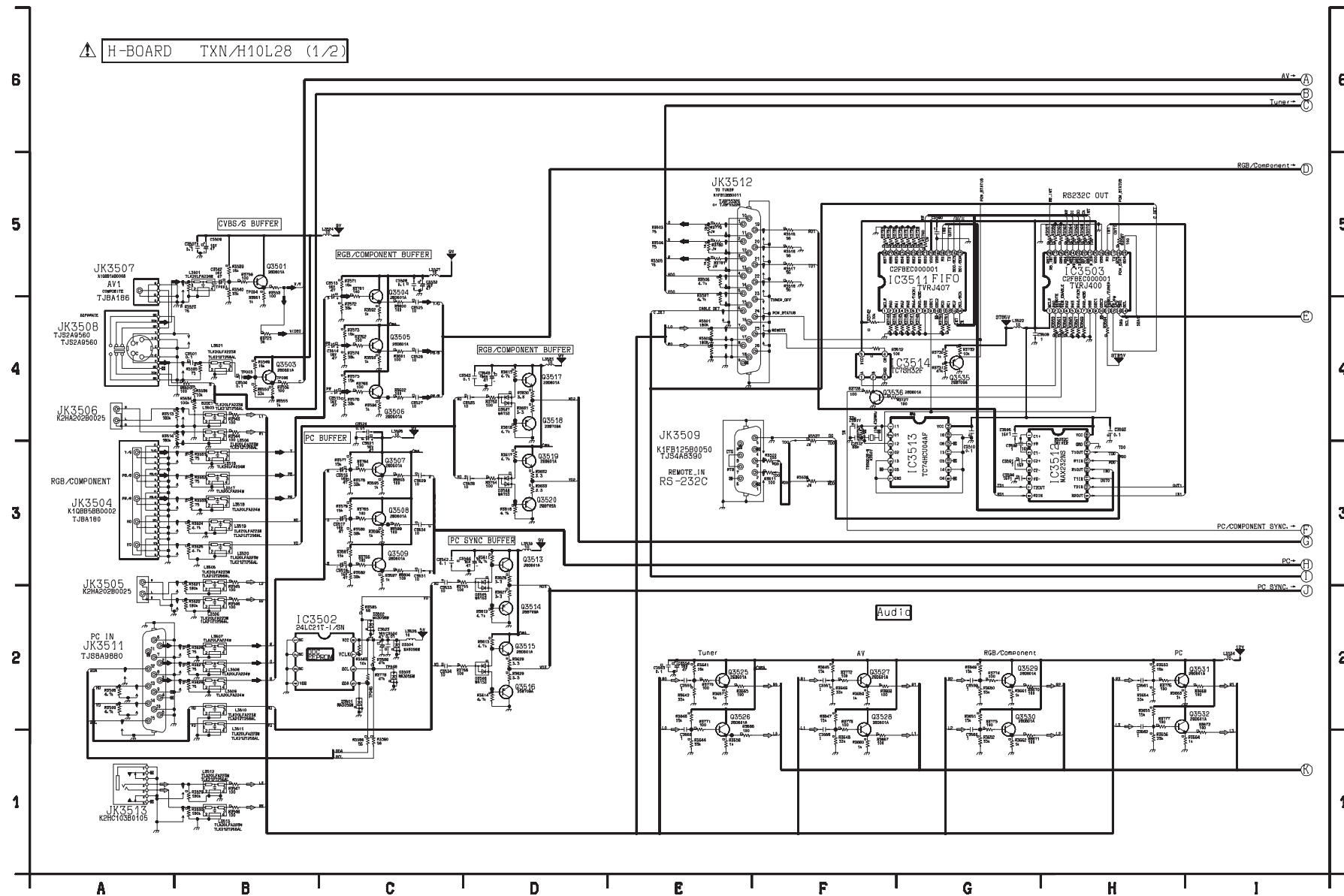
13.6. P5-Board, P6-Board, P7-Board and P8-Board Schematic Diagrams



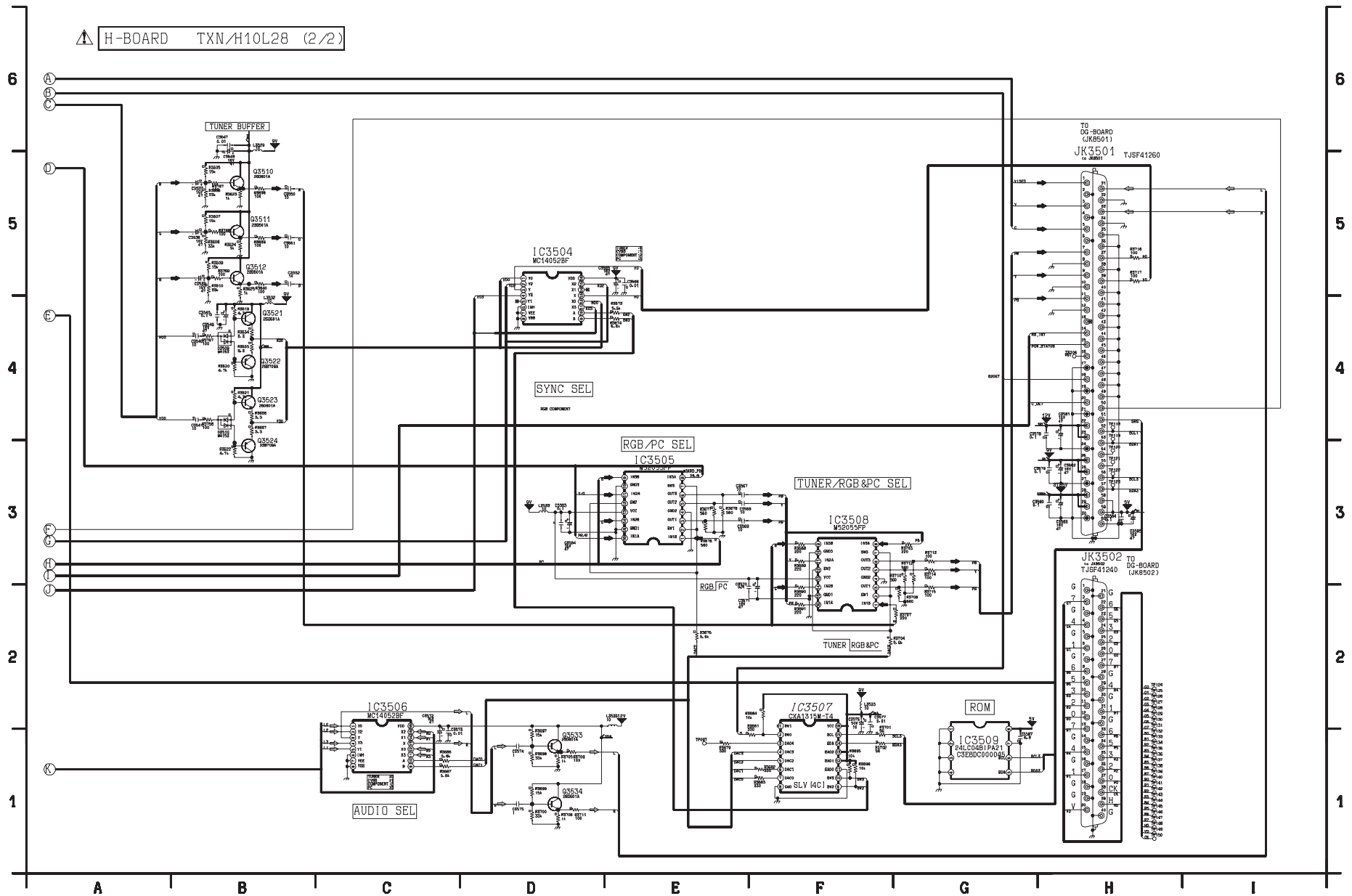
13.7. H-Board Block Diagrams



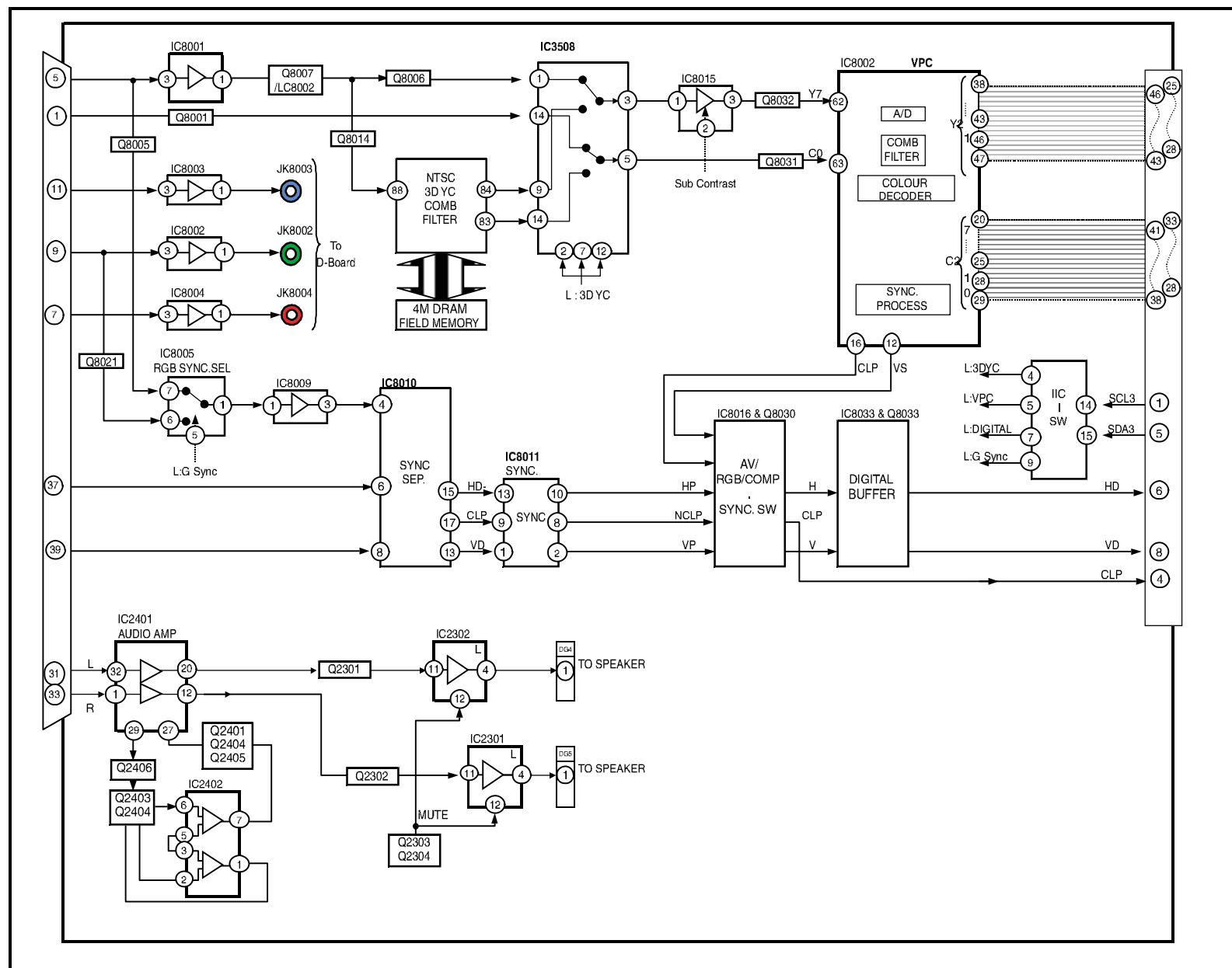
13.8. H-Board (1/2) Schematic Diagrams



13.9. H-Board (2/2) Schematic Diagrams

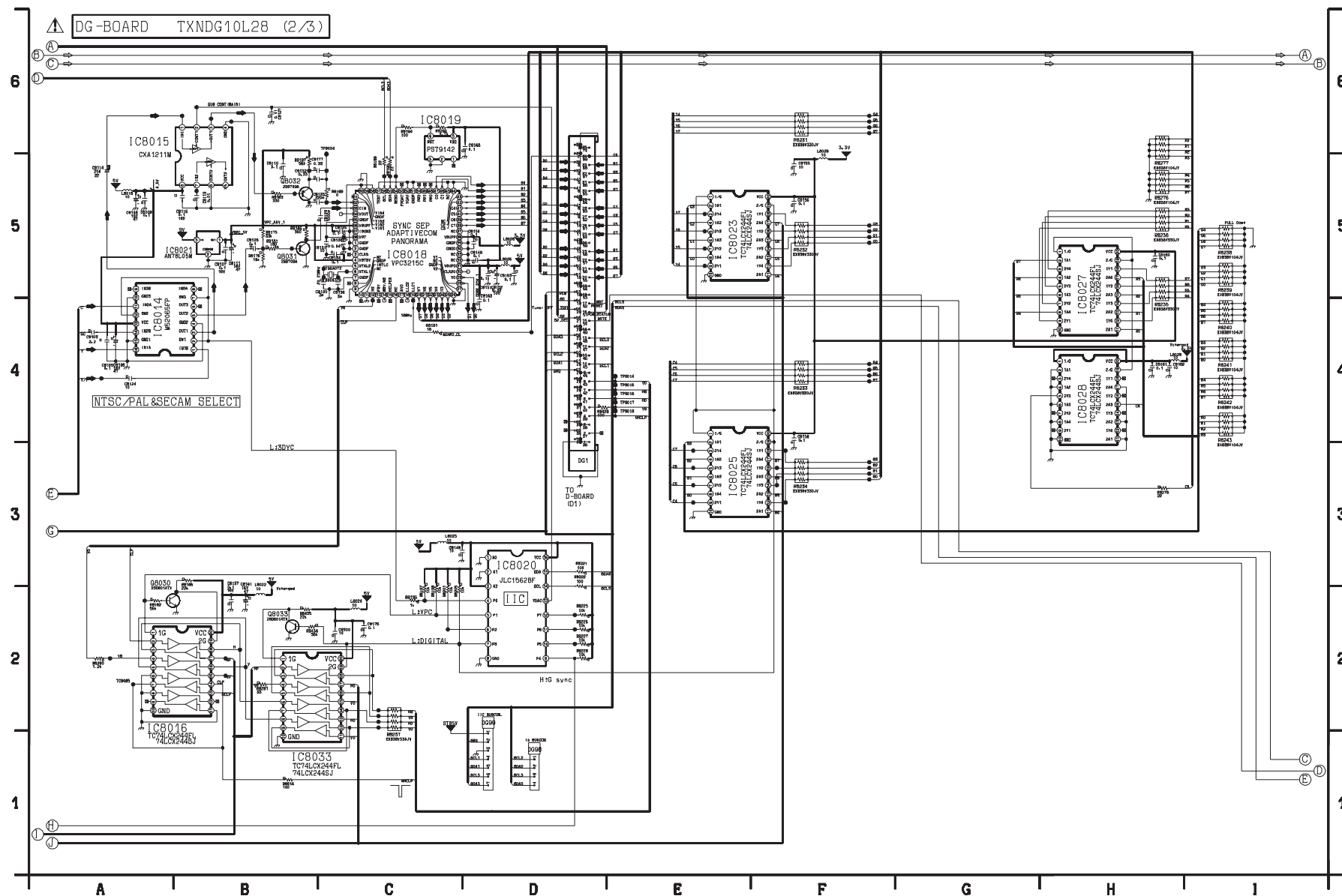


13.10. DG-Board Block Diagrams





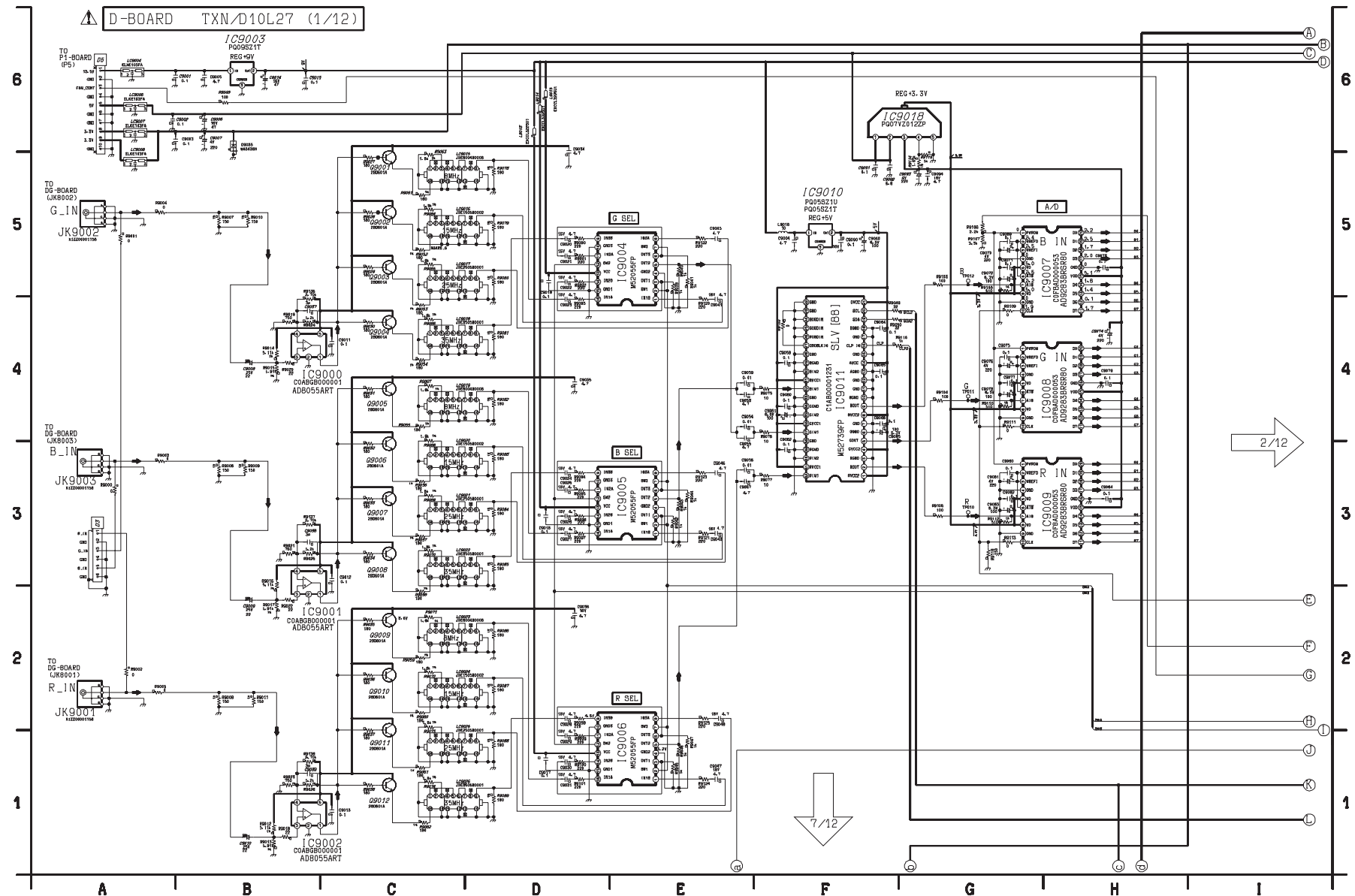
13.12. DG-Board (2/3) Schematic Diagrams



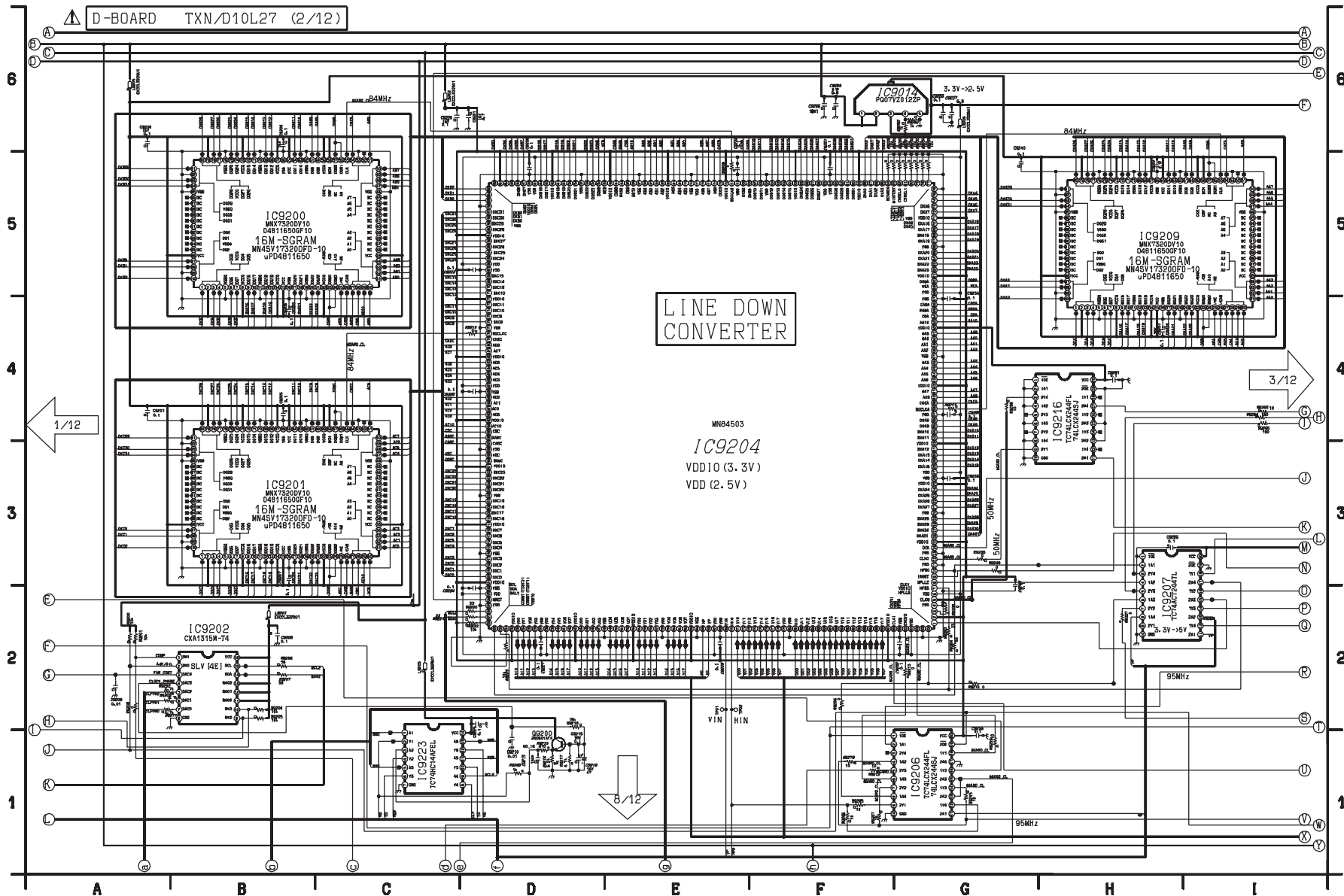




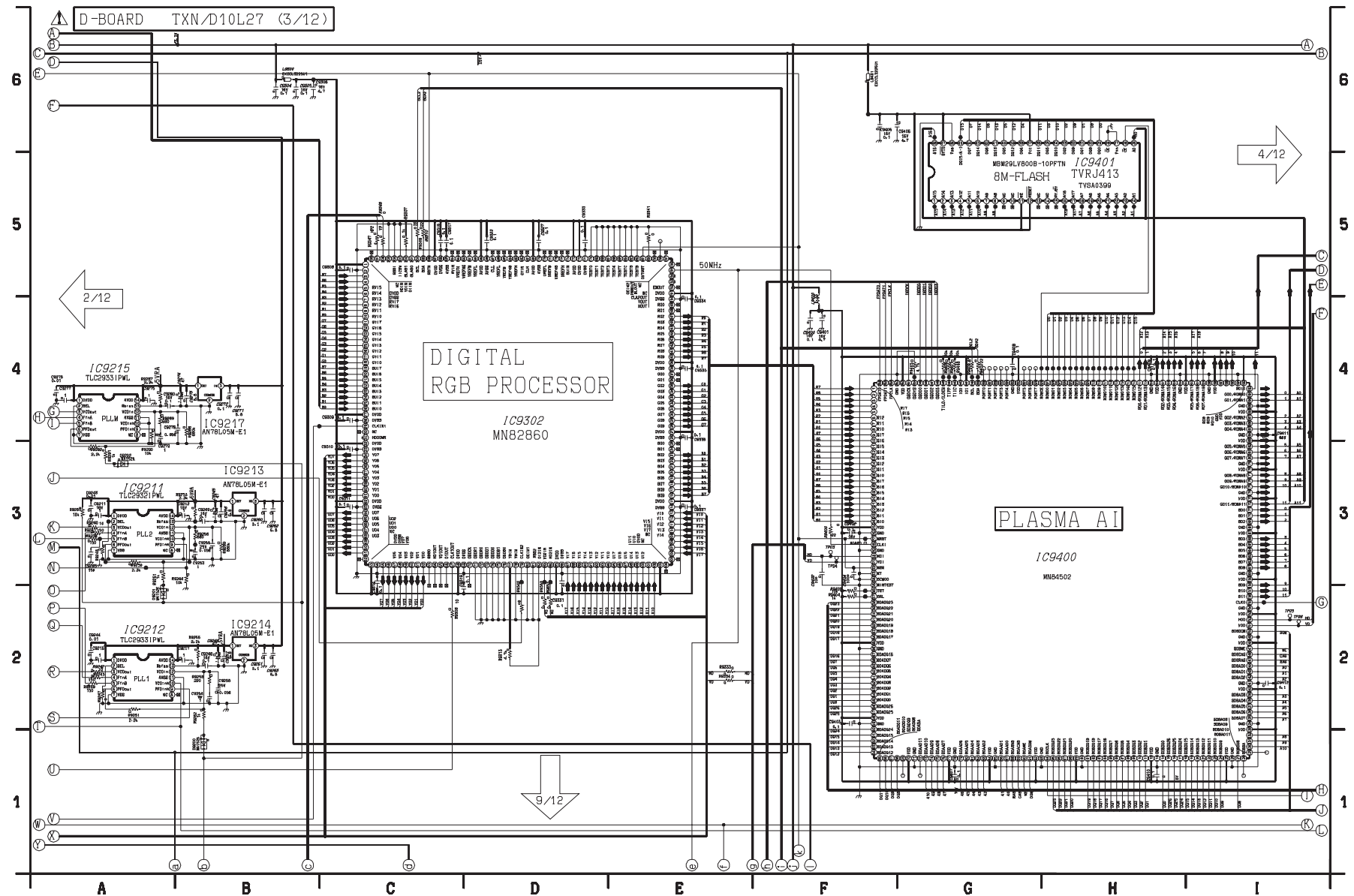
13.15. D-Board (1/12) Schematic Diagrams



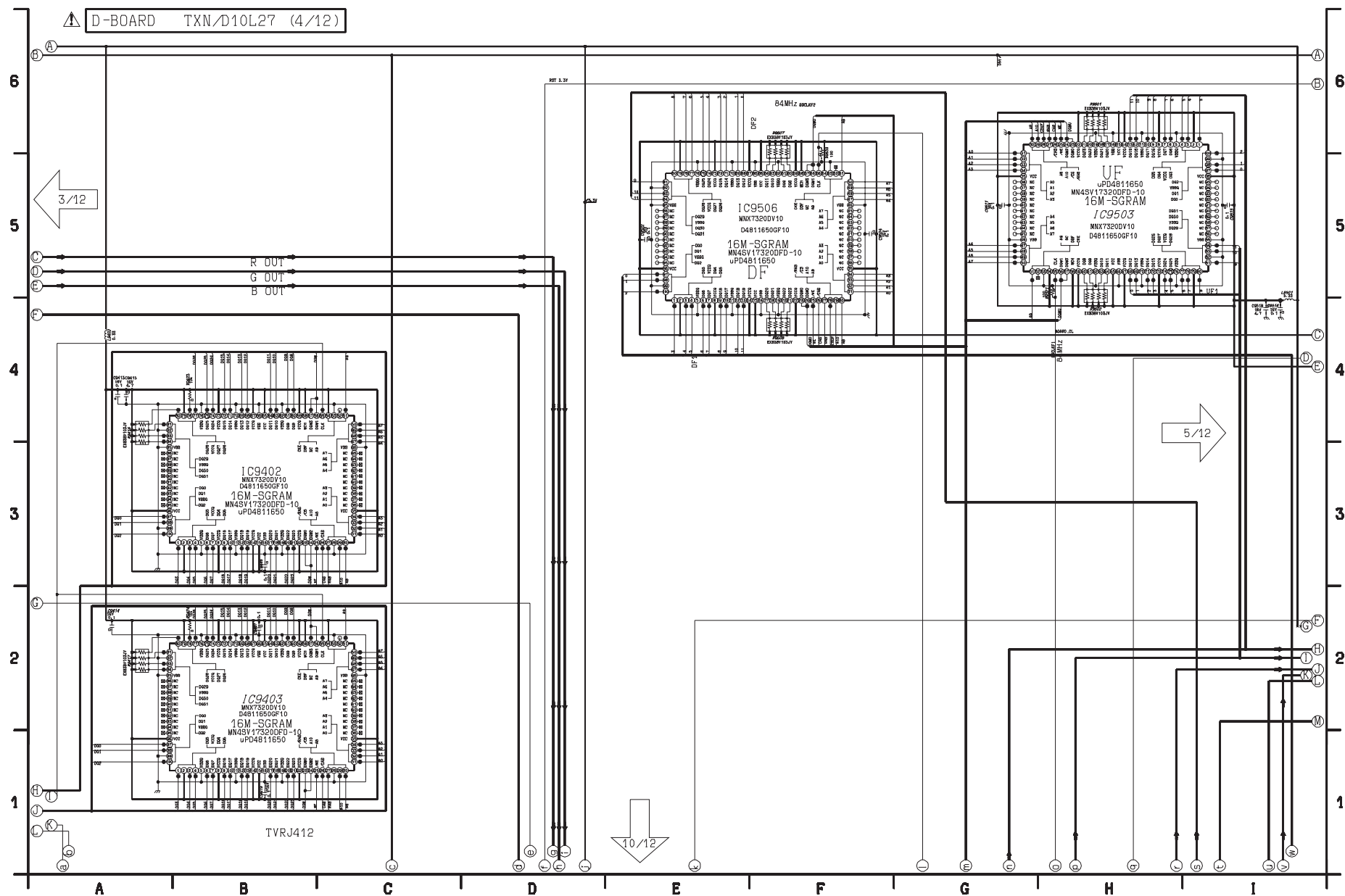
13.16. D-Board (2/12) Schematic Diagrams



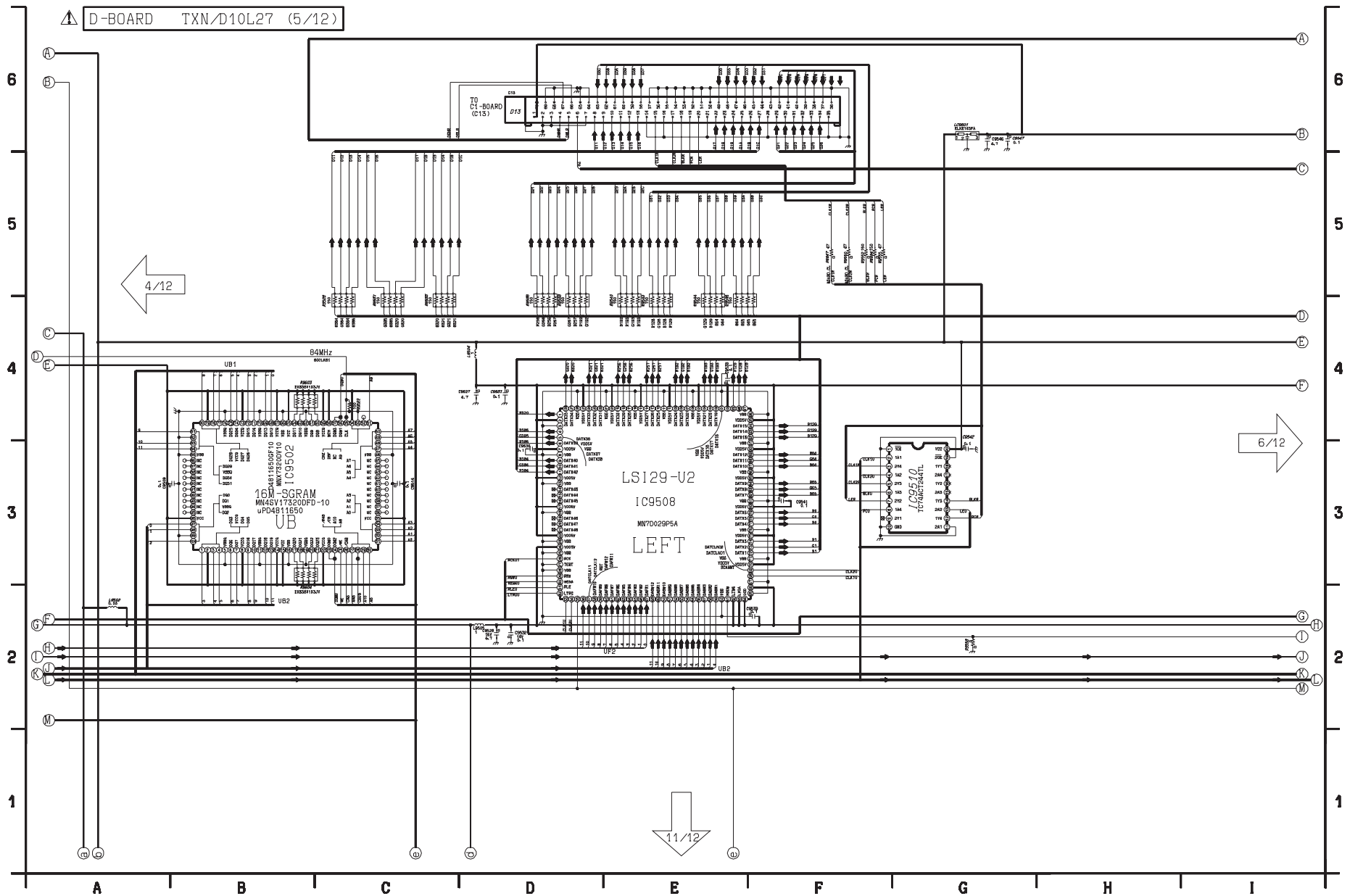
13.17. D-Board (3/12) Schematic Diagrams



13.18. D-Board (4/12) Schematic Diagrams

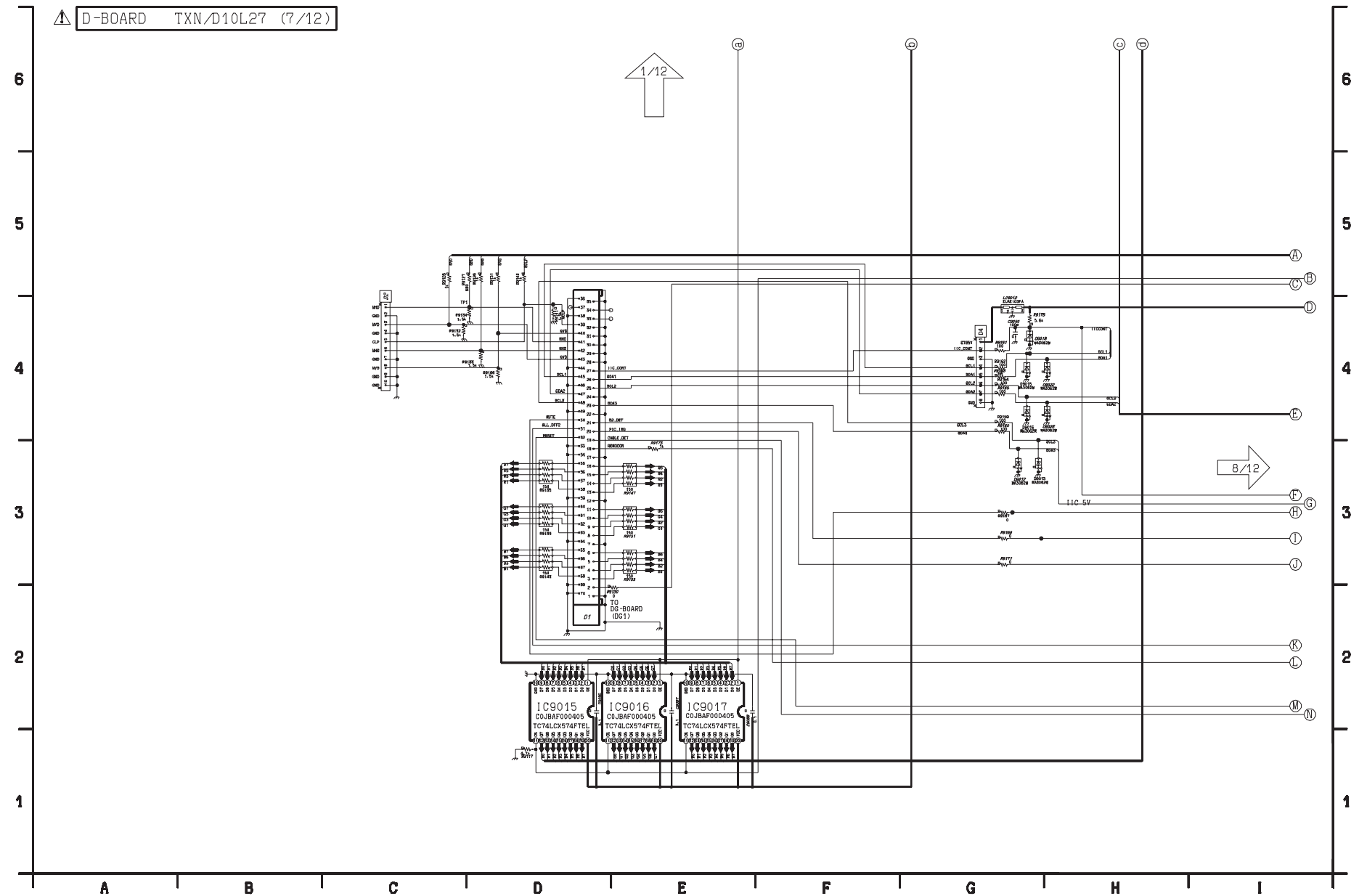


13.19. D-Board (5/12) Schematic Diagrams

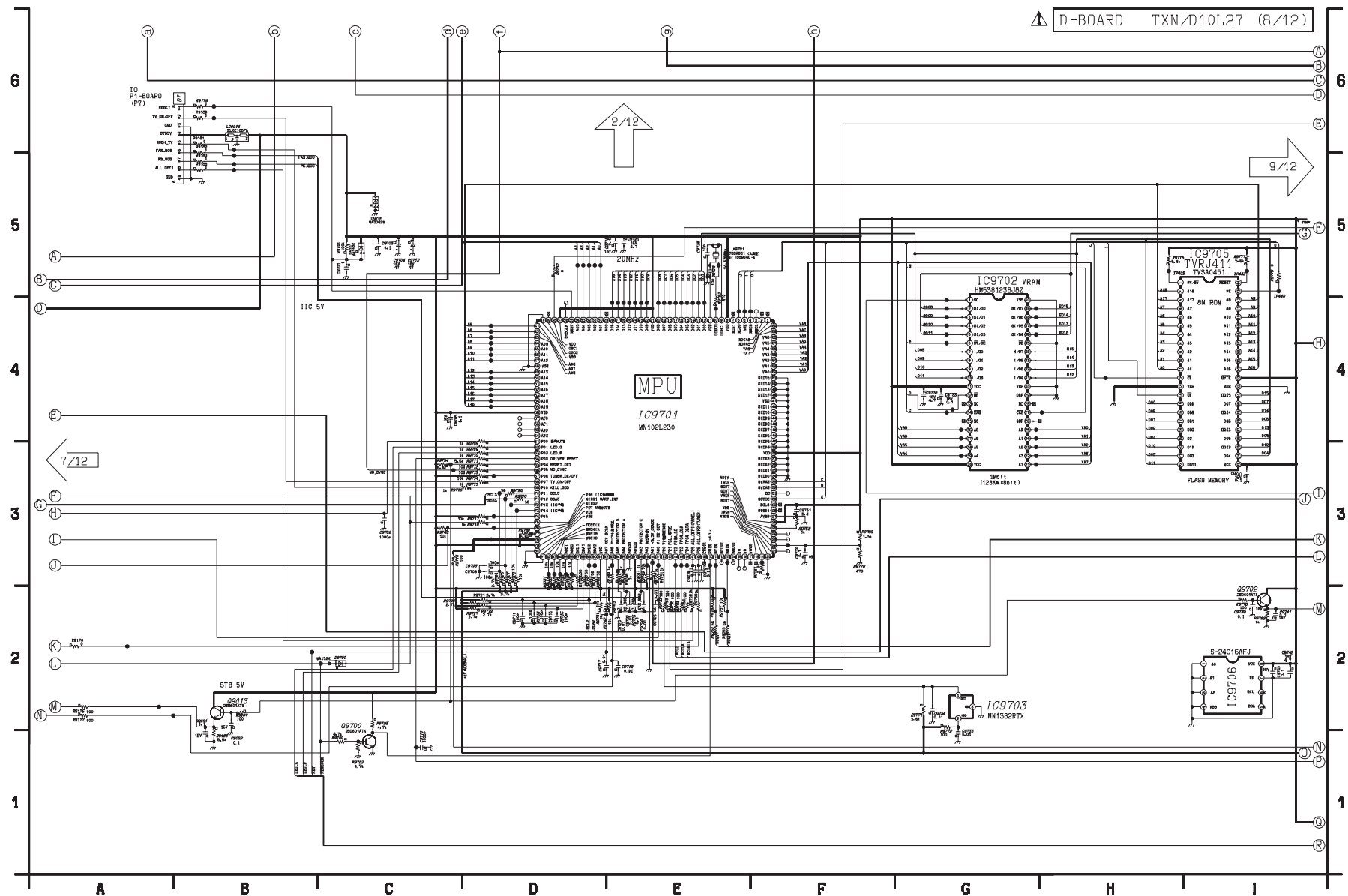




13.21. D-Board (7/12) Schematic Diagrams

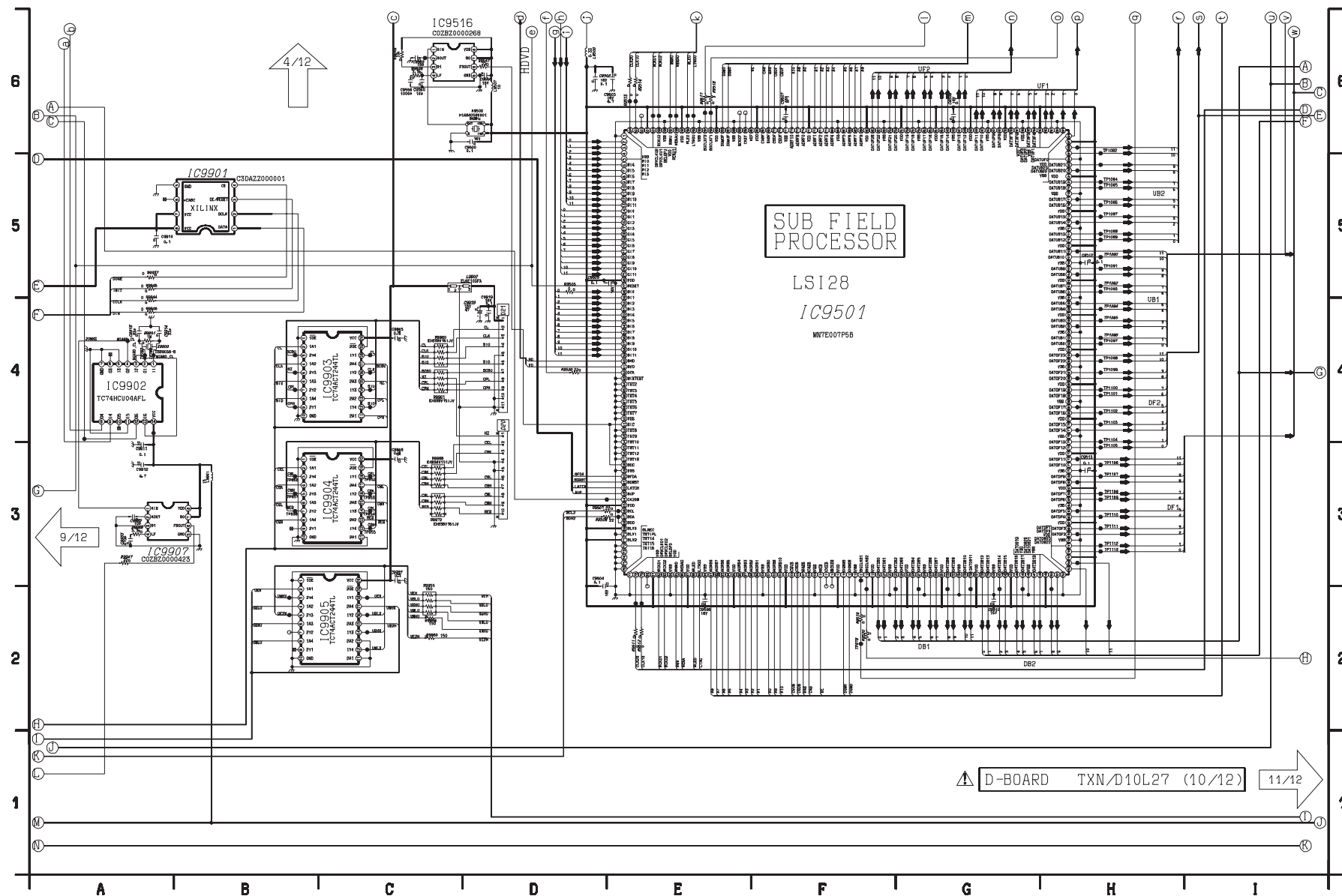


13.22. D-Board (8/12) Schematic Diagrams

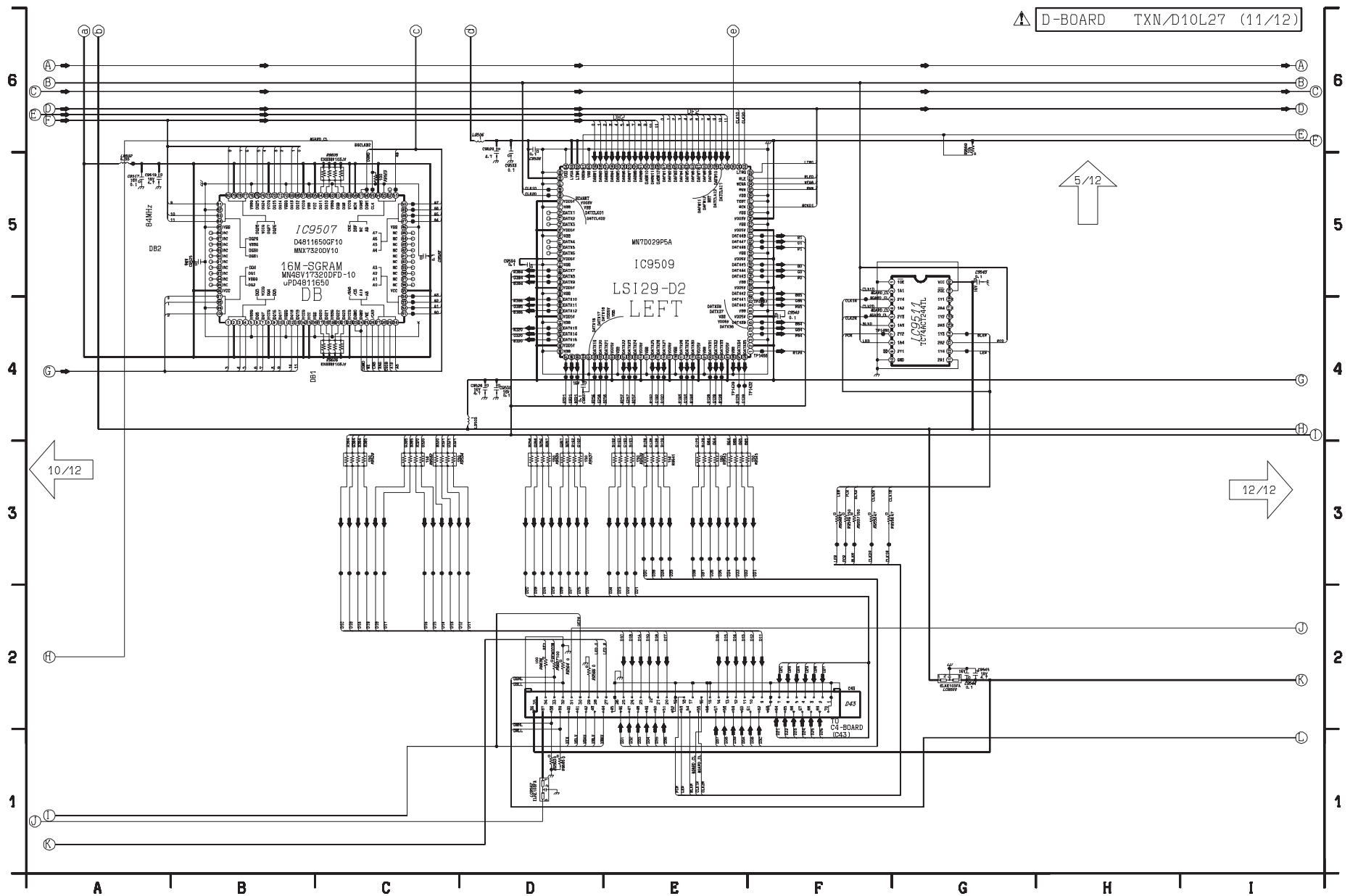




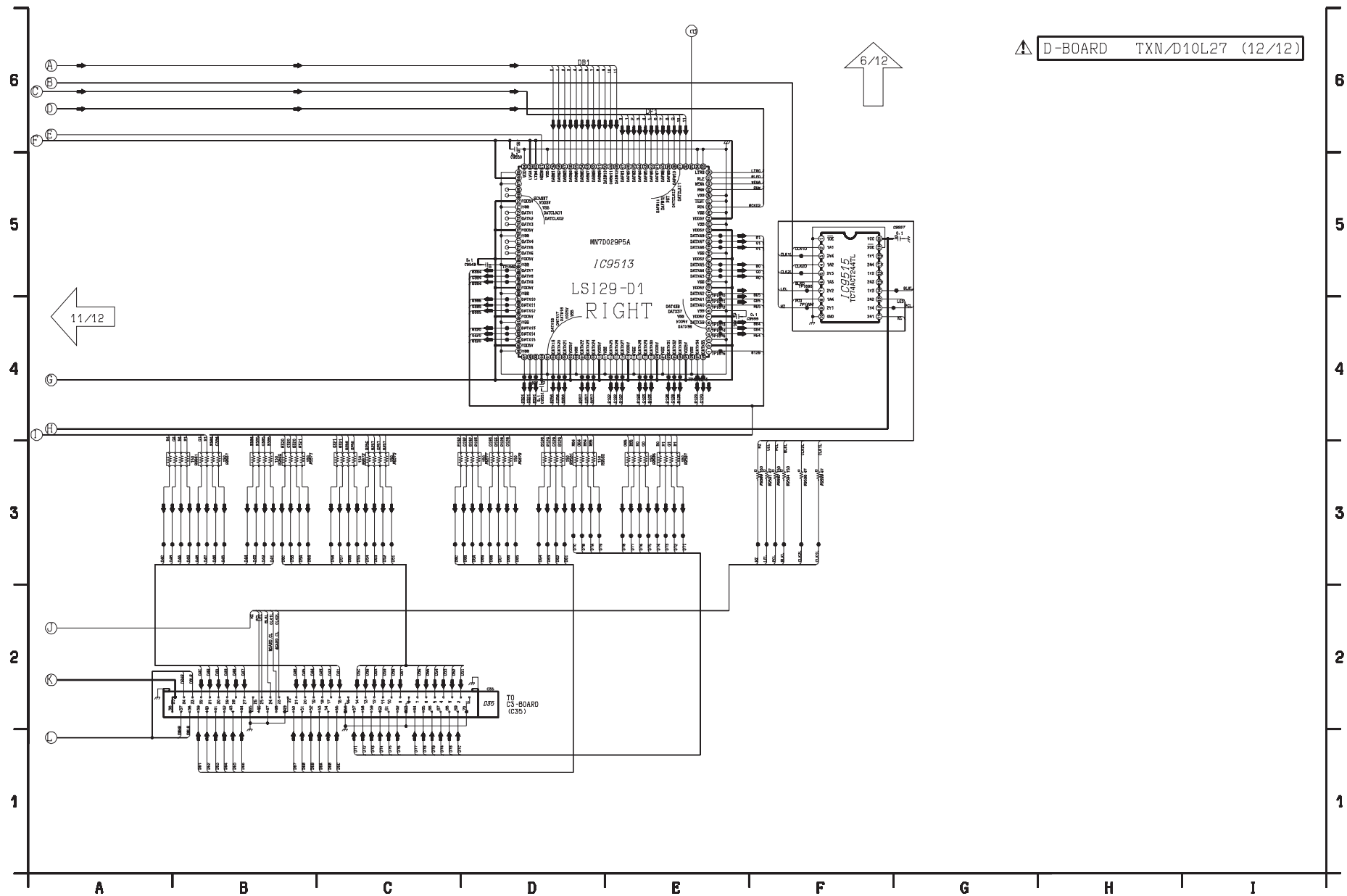
13.24. D-Board (10/12) Schematic Diagrams



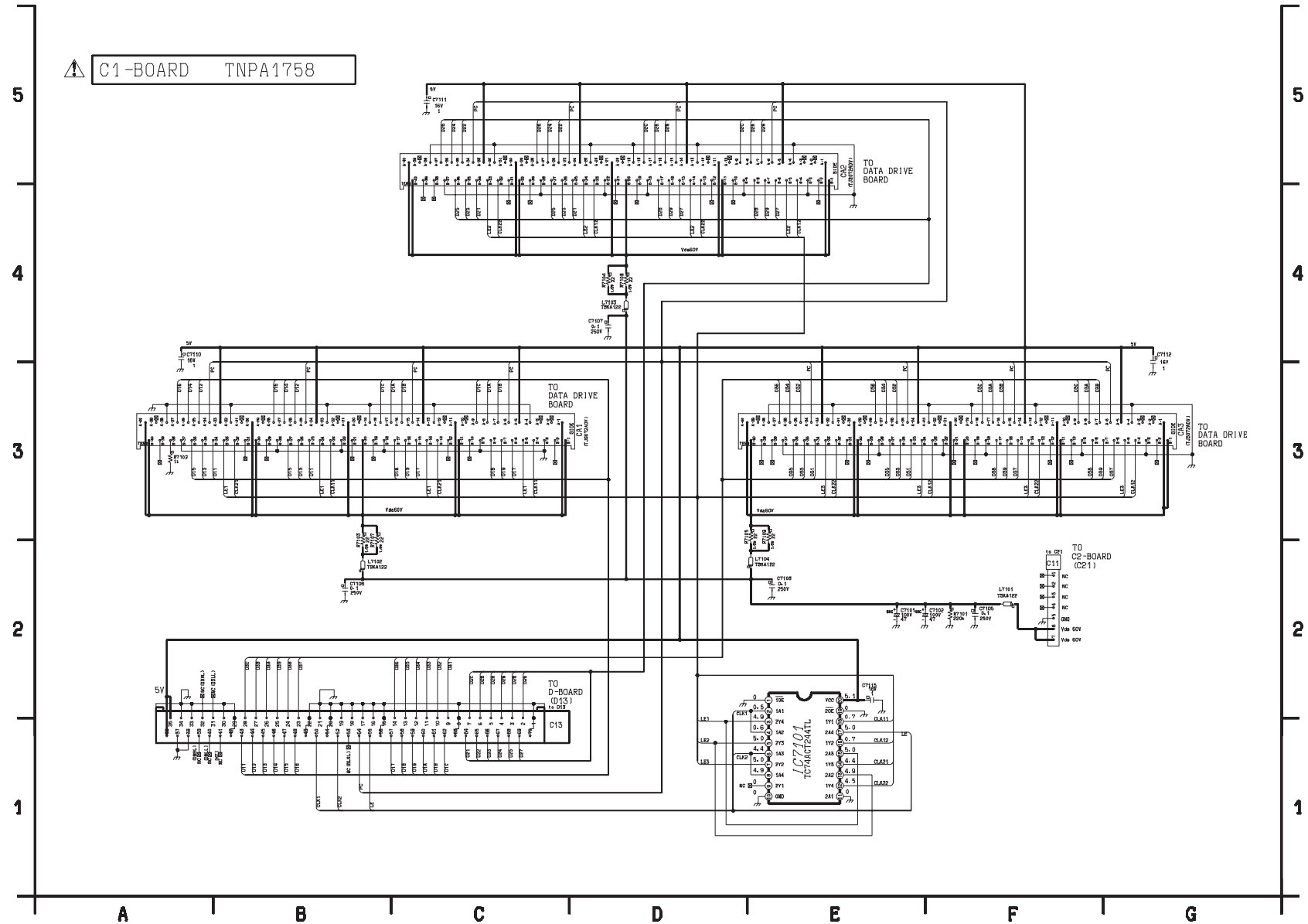
13.25. D-Board (11/12) Schematic Diagrams



13.26. D-Board (12/12) Schematic Diagrams

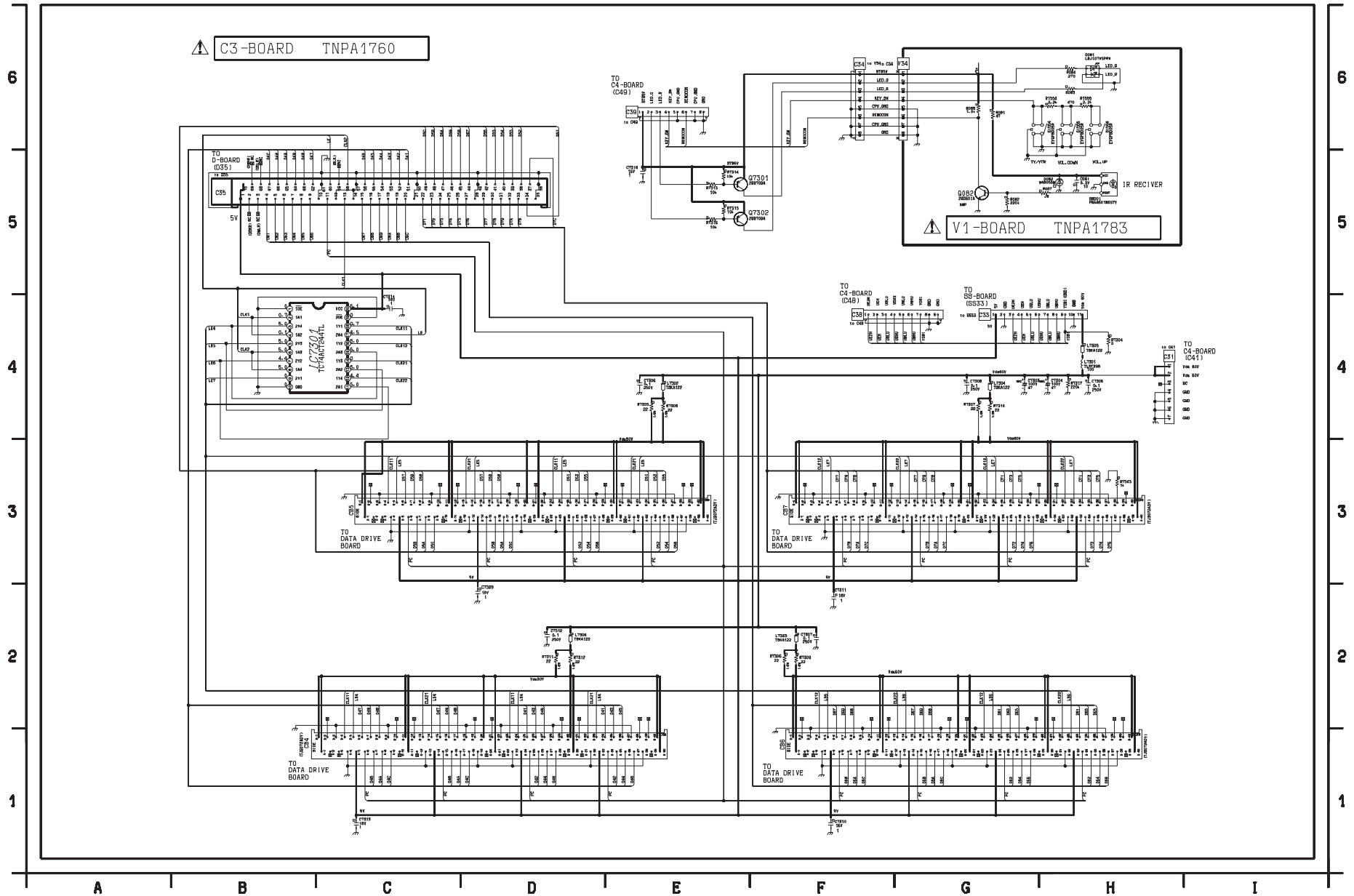


13.27. C1-Board Schematic Diagrams



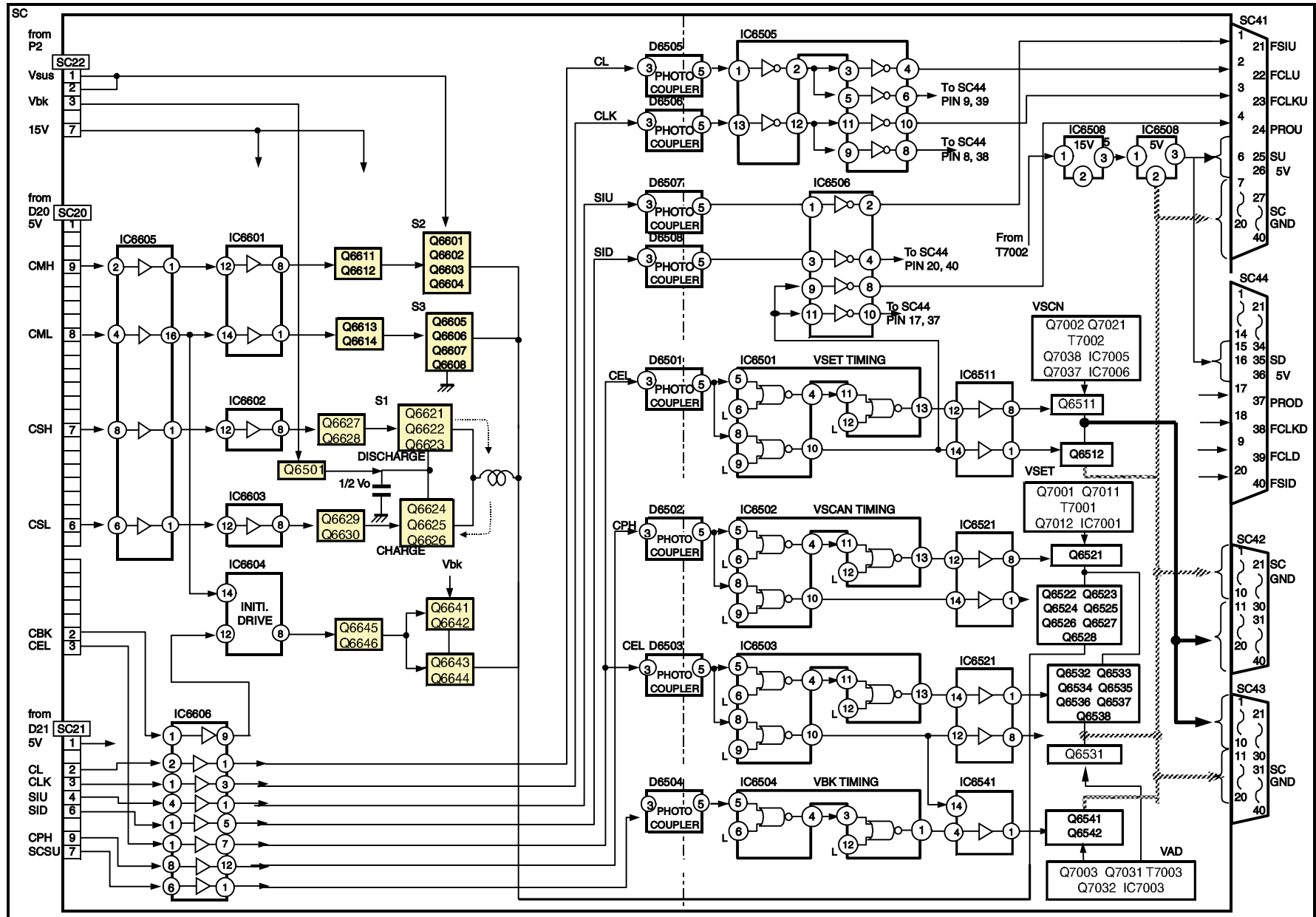


13.29. C3-Board and V1-Board Schematic Diagrams



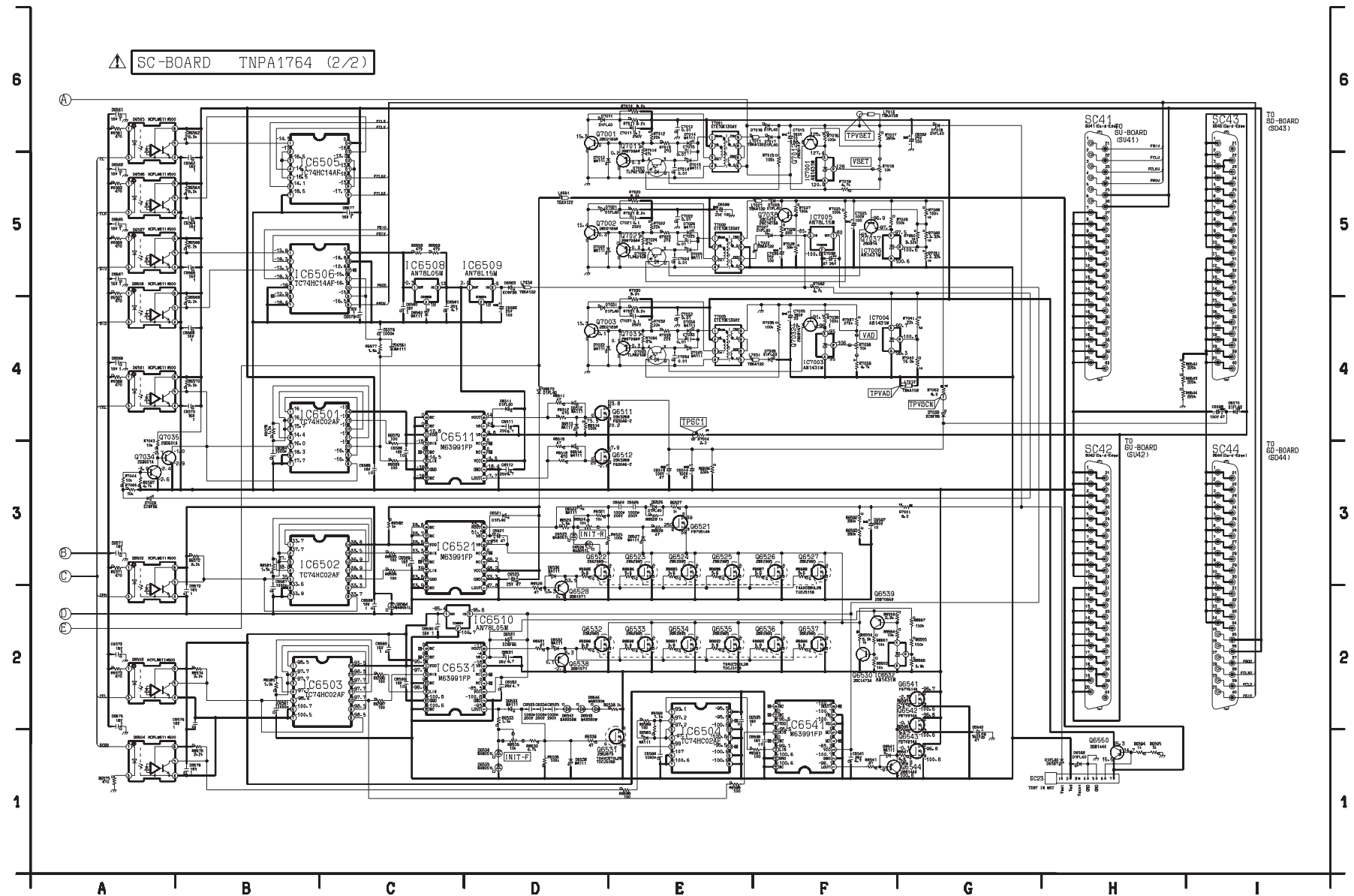


13.31. SC-Board Block Diagrams

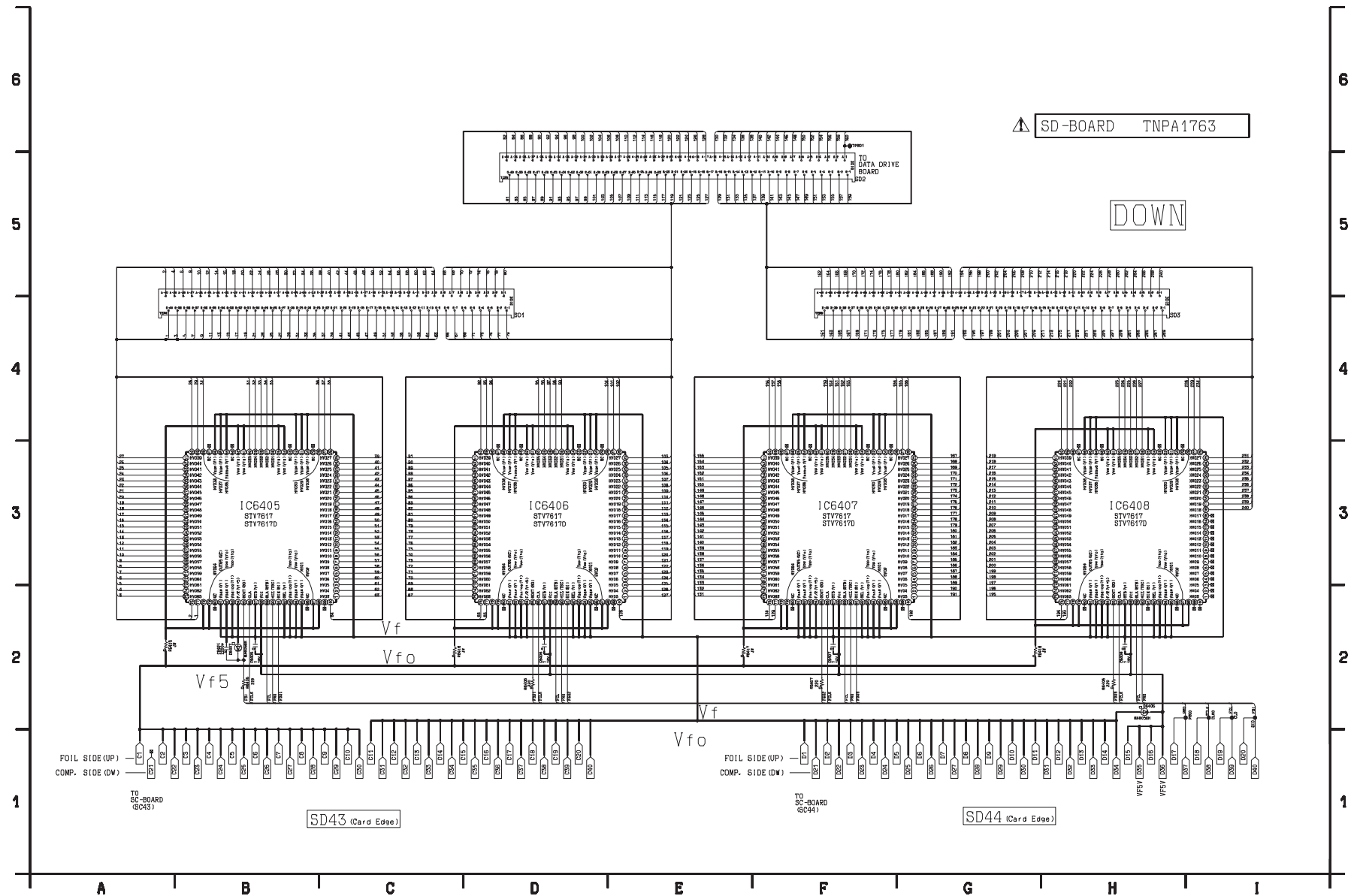




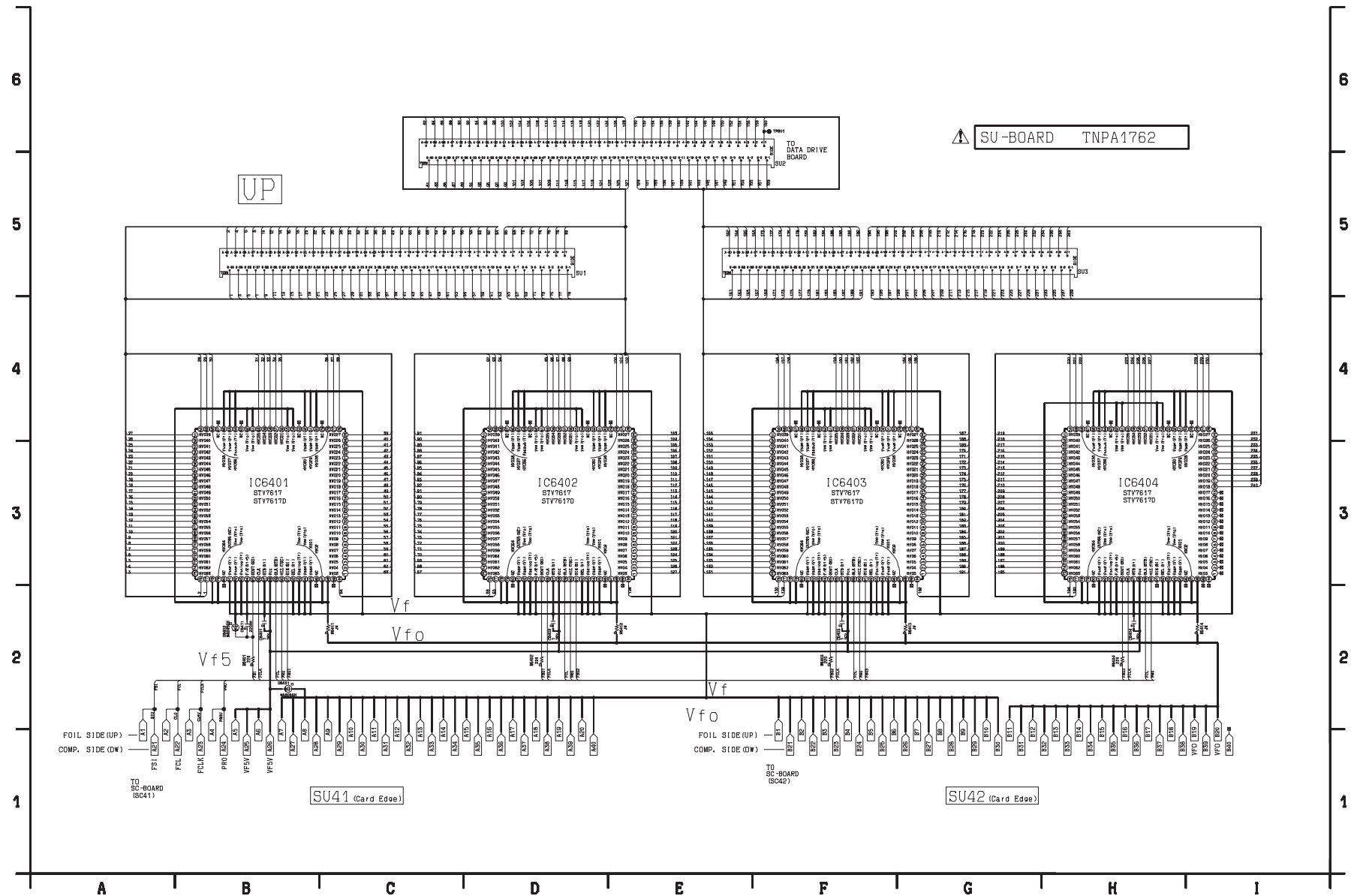
13.33. SC-Board (2/2) Schematic Diagrams



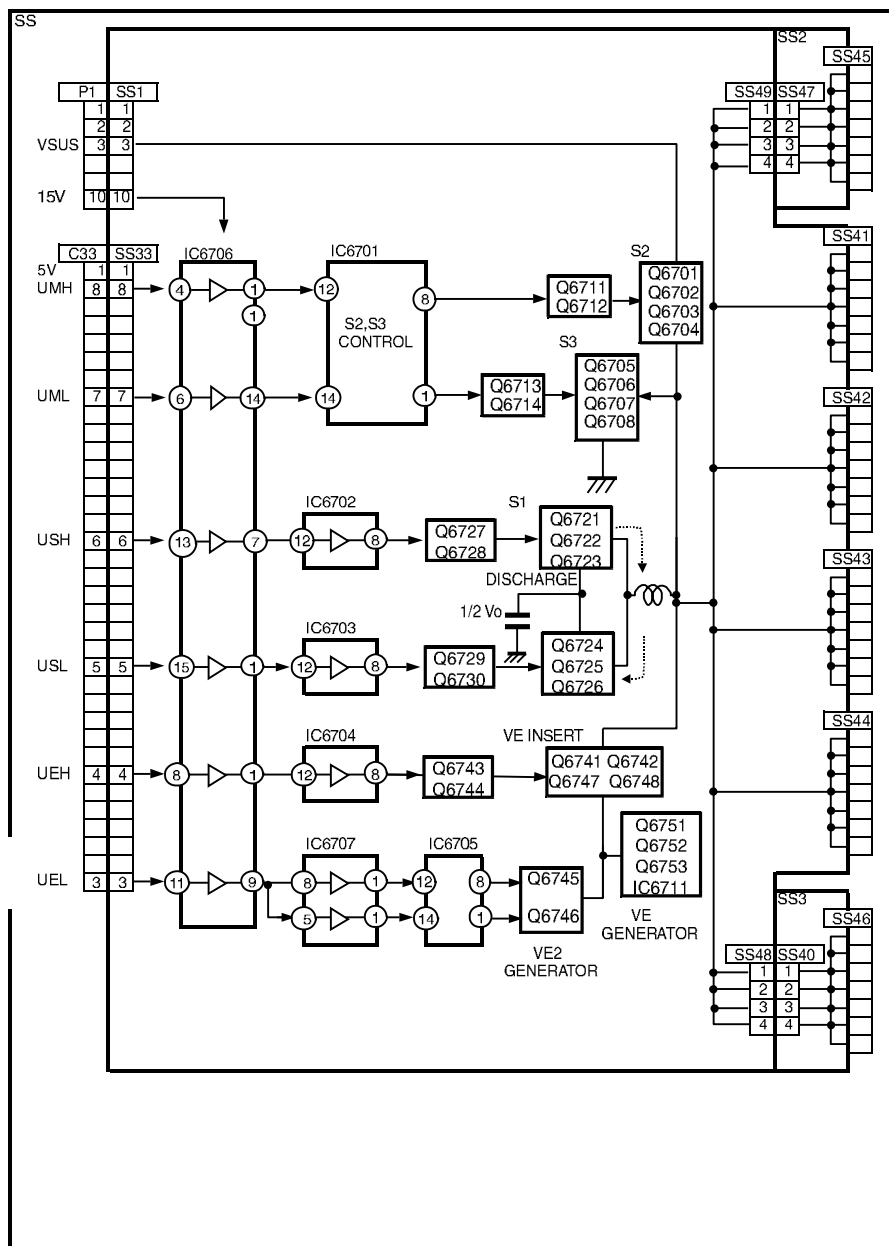
13.34. SD-Board Schematic Diagrams



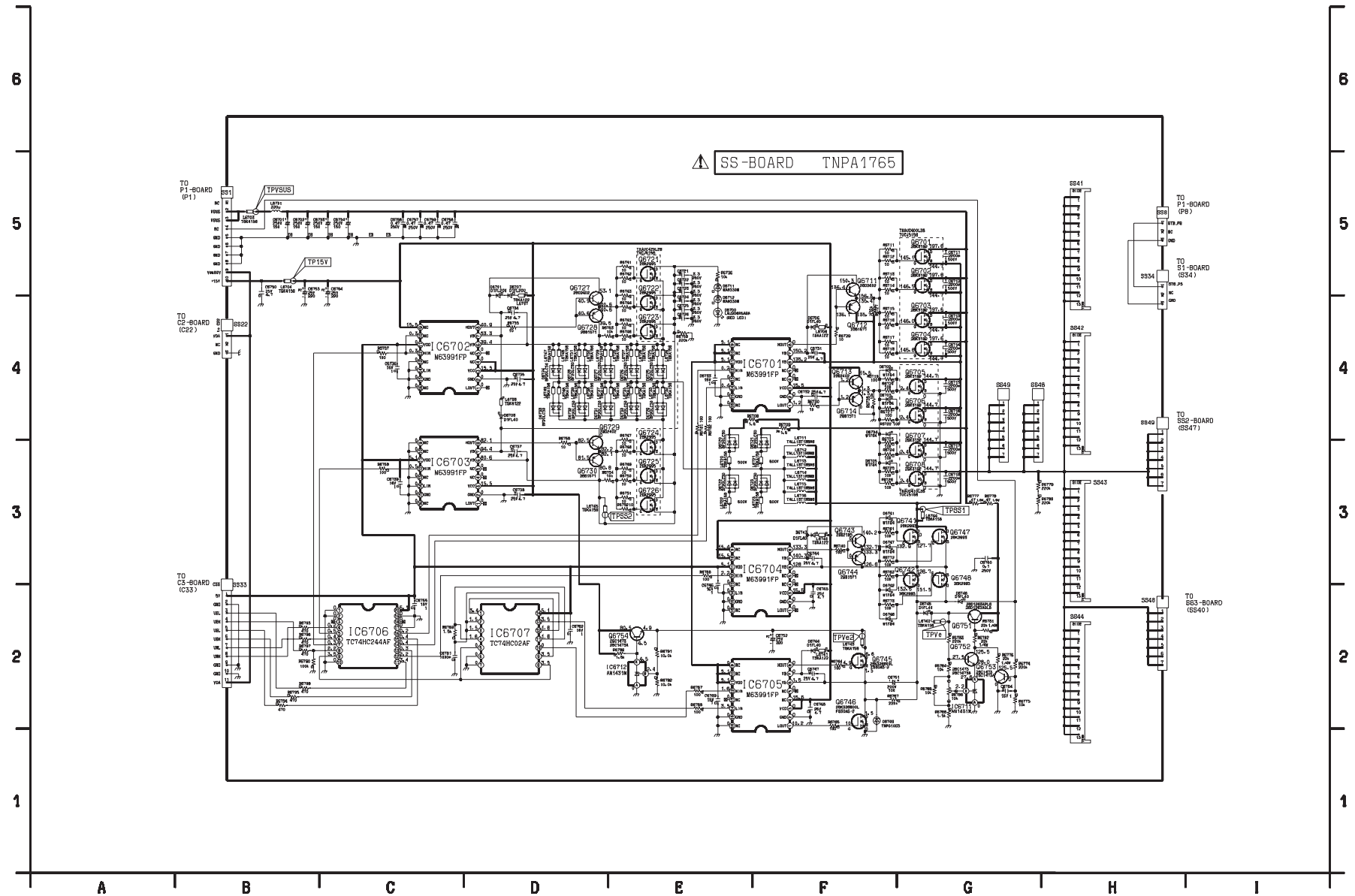
13.35. SU-Board Schematic Diagrams



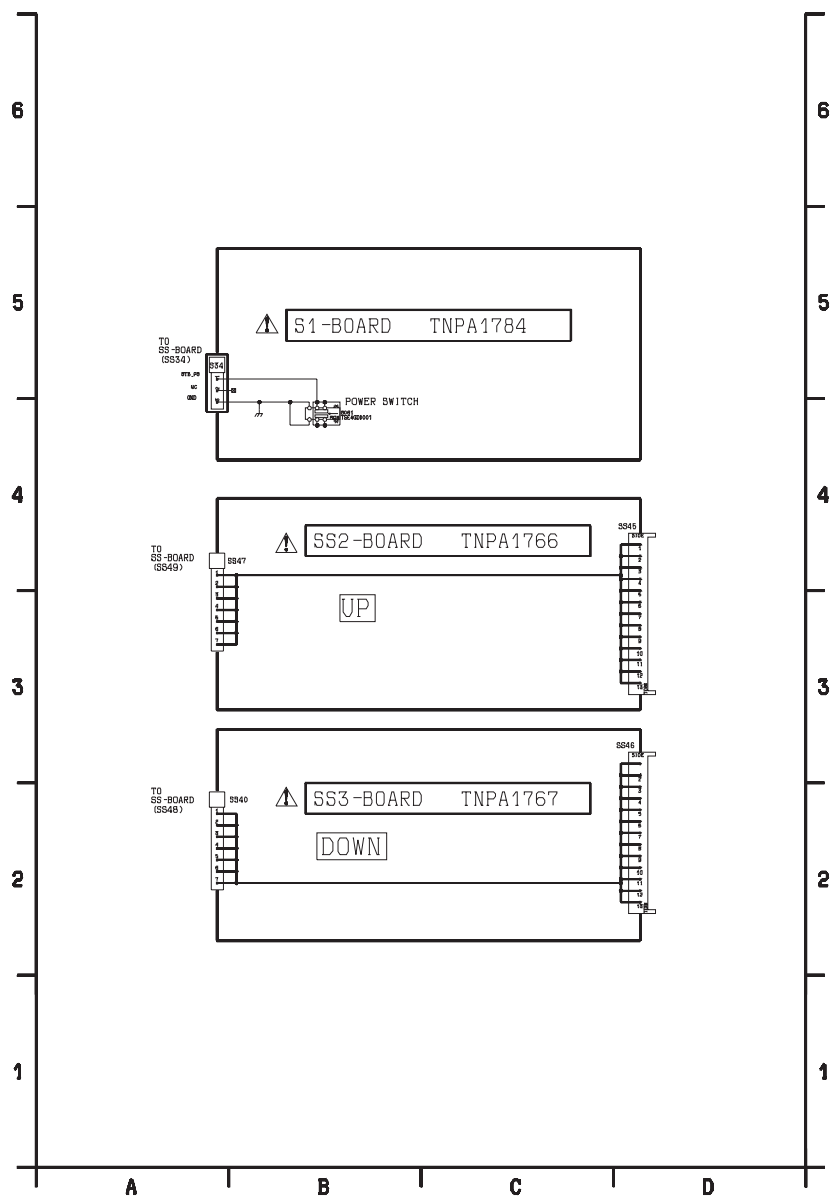
13.36. SS-Board Block Diagrams



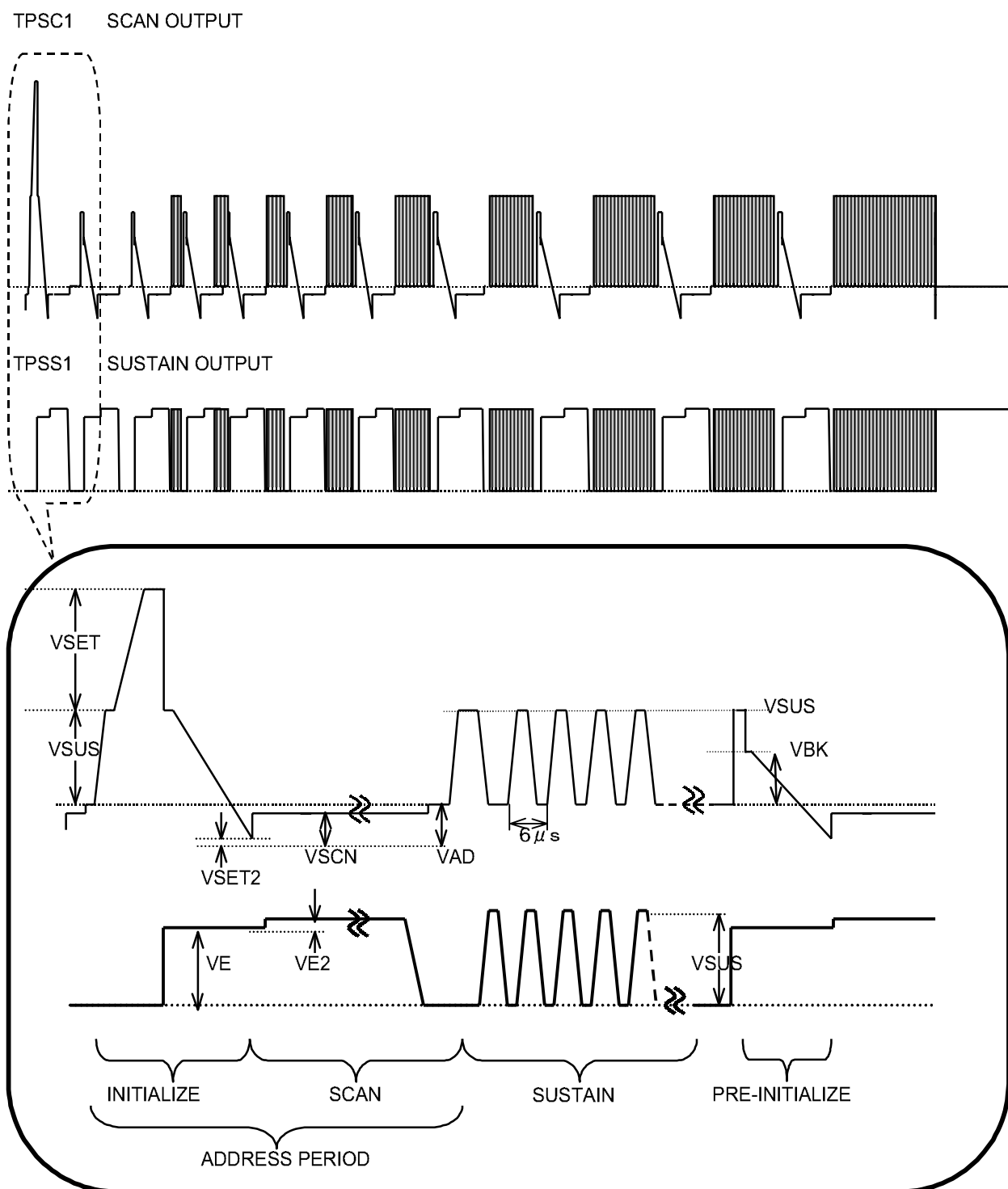
13.37. SS-Board Schematic Diagrams



13.38. S1-Board, SS2-Board and SS3-Board

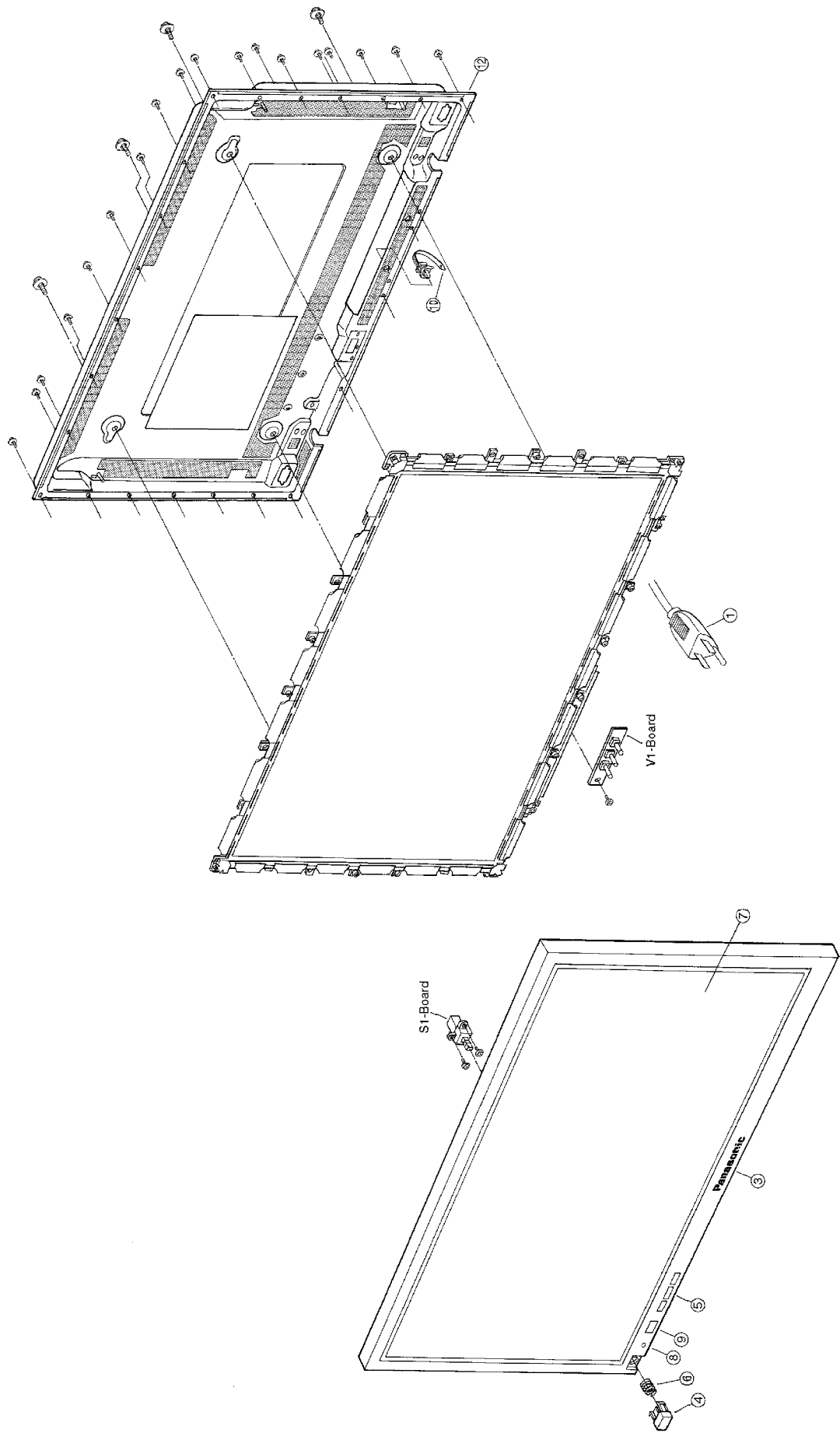


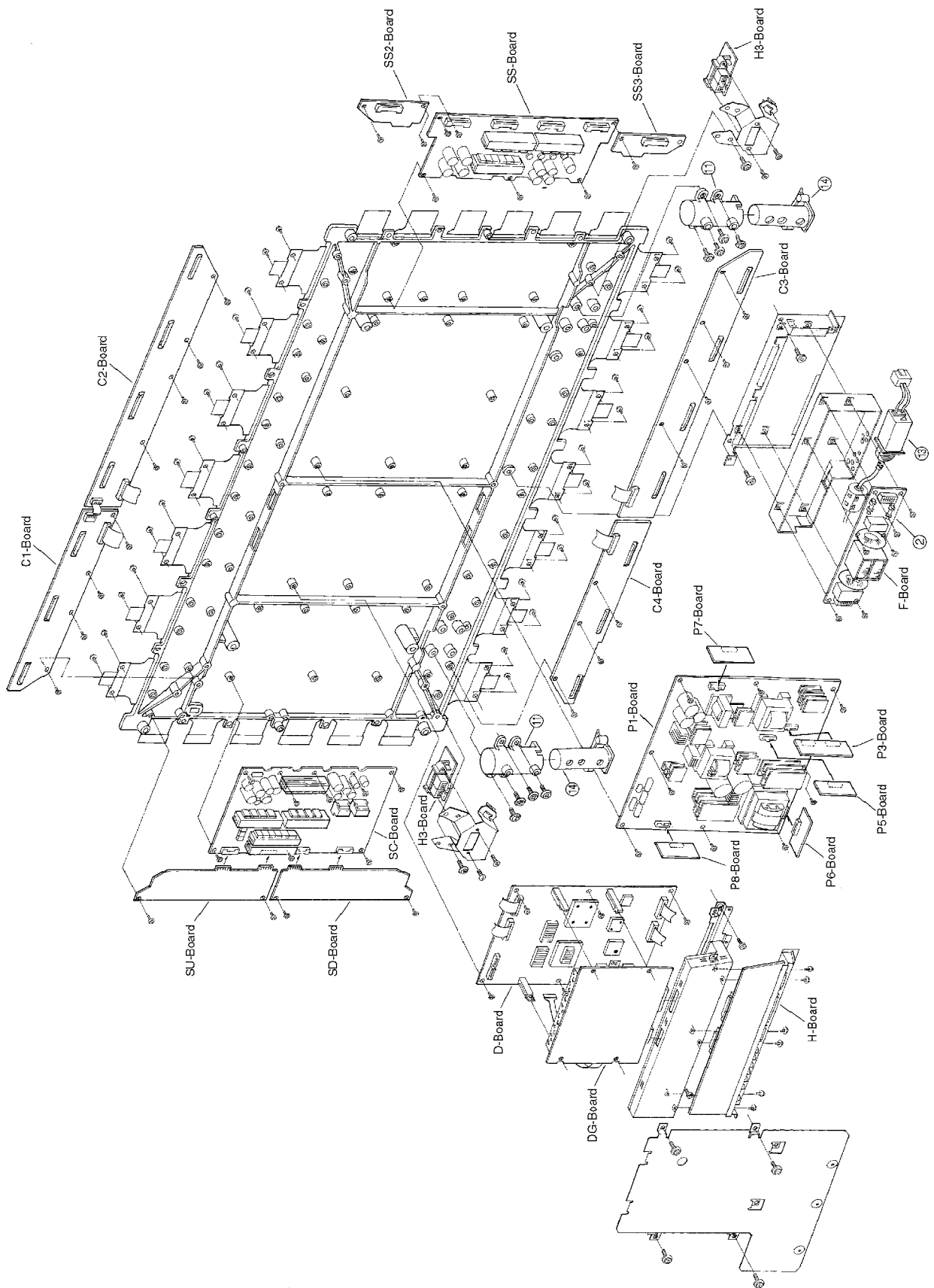
14 Panel drive signal wave form



15 Parts Location

Note:
The number on mechanical parts indicates Ref. No. Mechanical Replacement Parts List





16 Replacement Parts List

16.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by \triangle mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 \triangle 100KOHM, \triangle 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF \triangle 0.01UF, \triangle 50V
Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
T : Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

16.2. Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	EUR646525	REMOTE CONTROL	1	
	J0KG00000042	EMI FILTER	1	
1	K2CG3DH00025	AC POWER CORD	1	U.S.A. △
1	K2CK3DH00002	AC POWER CORD	1	AUSTRALIA △
1	K2CN3DH00001	AC POWER CORD	1	U.K. △
1	K2CT3DH00007	AC POWER CORD	1	CONTINENTAL △
	K2ZZ02900004	PLUG	1	
	K2ZZ02900005	PLUG	1	
	K2ZZ02900006	PLUG	1	
2	K5Y632B00001	FUSE	2	
	KRCBC160928B	NOISE FILTER	1	
3	TBMA059	PANASONIC BADGE	1	
4	TBXA28202	POWER BUTTON	1	
5	TBXA28502	OPERATION BUTTON	1	
6	TESD031	SPRING	1	
	THEA068N	SCREW	6	
	TJS169950	3P CONNECTOR	2	
	TJS169990	7P CONNECTOR	2	
	TJS1A4270	BNC-RCA CONNECTOR	1	
	TJS1A4271	BNC PHONE PIN ADAPTER	1	
	TJS1A8900	3P CONNECTOR	3	
	TJS1A8950	8P CONNECTOR	2	
	TJS1A8960	9P CONNECTOR	2	
	TJS1A8970	10P CONNECTOR	2	
	TJS1A8980	11P CONNECTOR	3	
7	TKGA5054	FRONT GLASS	1	
8	TKKC5105	LED PANEL	1	
9	TKPA43802	REMOCON RECEIVE PANEL	1	
	TMKG250	CUSHION (UPPER/BOTTOM)	2	
	TMKG251	CUSHION (RIGHT/LEFT)	2	
	TMM14420	SPACER	2	
	TMM15414-2	CLAMPER	1	
	TMM17499	CLAMPER	1	
	TMM7464-2	CLAMPER	1	
	TMMD006	WASHER	4	
	TMMD007	SPACER (RIGHT)	1	
	TMMD008	SPACER (LEFT)	1	
	TMME047	CLAMPER	5	
	TMME075	EDGE SADDLE	2	
10	TMME108	CABLE STRAP	2	
	TMME110	CLAMPER	1	
	TMME144	CLAMPER	4	
	TMME145	SPACER	2	
	TMME152	CLAMPER	2	
	TMMX060	SPACER	1	
	TMMX061	SPACER	16	
	TMMX062	SPACER	8	
	TMMX063	SPACER	8	
	TMMX064	SPACER	16	
	TMWC006	BRACKET	1	
	TMWF003	BRACKET	1	
	TMZA5003	BRACKET	2	
11	TMZX5013	BRACKET	2	
	TNPA1756	CIRCUIT BOARD H3	1	△
	TNPA1758	CIRCUIT BOARD C1	1	RTL △
	TNPA1759	CIRCUIT BOARD C2	1	RTL △
	TNPA1760	CIRCUIT BOARD C3	1	RTL △
	TNPA1761	CIRCUIT BOARD C4	1	RTL △
	TNPA1762	CIRCUIT BOARD SU	1	RTL △
	TNPA1763	CIRCUIT BOARD SD	1	RTL △
	TNPA1764	CIRCUIT BOARD SC	1	△
	TNPA1765	CIRCUIT BOARD SS	1	△
	TNPA1766	CIRCUIT BOARD SS2	1	RTL △
	TNPA1767	CIRCUIT BOARD SS3	1	RTL △
	TNPA1777	CIRCUIT BOARD P3	1	RTL △
	TNPA1778	CIRCUIT BOARD P5	1	RTL △
	TNPA1779	CIRCUIT BOARD P6	1	RTL △

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TNPA1780	CIRCUIT BOARD P7	1	RTL △
	TNPA1781	CIRCUIT BOARD P8	1	RTL △
	TNPA1783	CIRCUIT BOARD V1	1	RTL △
	TNPA1784	CIRCUIT BOARD S1	1	RTL △
	TPCA95803	CARTON BOX	1	TH-42PW3U △
	TPCA95804	CARTON BOX	1	TH-42PW3E △
	TPCA95805	CARTON BOX	1	TH-42PW3B △
	TPCA95806	CARTON BOX	1	TH-42PW3A △
	TPCA95807	CARTON BOX	1	TH-42PWD3U △
	TPCA95808	CARTON BOX	1	TH-42PWD3E △
	TPCA95809	CARTON BOX	1	TH-42PWD3B △
	TPCA95810	CARTON BOX	1	TH-42PWD3A △
	TPCA95901	CARTON BOX (BOTTOM)	1	
	TPD169487	JOINT	4	
	TPDA0443	CUSHION (UPPER LEFT)	1	
	TPDA0444	CUSHION (UPPER RIGHT)	1	
	TPDA0445	CUSHION (UPPER CENTER)	1	
	TPDA0446	CUSHION (BOTTOM LEFT)	1	
	TPDA0447	CUSHION (BOTTOM RIGHT)	1	
	TPDA0448	CUSHION (BOTTOM CENTER)	1	
	TPEH007-3	PROTECT COVER	1	
	TPEH125	POLY BAG	1	
	TQBC0218	INSTRUCTION BOOK (ENGLISH)	1	U.S.A. △
	TQBC0219	INSTRUCTION BOOK (FRENCH)	1	U.S.A. △
	TQBC0220	INSTRUCTION BOOK (SPANISH)	1	U.S.A. △
	TQBC0221	INSTRUCTION BOOK (ENGLISH)	1	CONTINENTAL AUSTRALIA △
	TQBC0222	INSTRUCTION BOOK (GERMAN)	1	CONTINENTAL △
	TQBC0223	INSTRUCTION BOOK (FRENCH)	1	CONTINENTAL △
	TQBC0224	INSTRUCTION BOOK (ITALY)	1	CONTINENTAL △
	TQBC0225	INSTRUCTION BOOK (SPANISH)	1	CONTINENTAL △
	TQBC0226	INSTRUCTION BOOK (POLISH)	1	CONTINENTAL △
	TQBC0227	INSTRUCTION BOOK (DANISH)	1	CONTINENTAL △
	TQBC0228	INSTRUCTION BOOK (SWEDISH)	1	CONTINENTAL △
	TQBC0229	INSTRUCTION BOOK (ENGLISH)	1	U.K. △
	TSK1018	FERRITE CORE	2	△
	TSXL139	CABLE	6	
	TSXL140	CABLE	6	
	TSXL141	CABLE	2	
	TSXL142	CABLE	3	
12	TTUA0382	REAR COVER	1	TH-42PW3U
12	TTUA0383	REAR COVER	1	TH-42PW3A/B/E
12	TTUA0404	REAR COVER	1	TH-42PWD3A/B/E
12	TTUA0405	REAR COVER	1	TH-42PWD3U
13	TXAJS010L27	AC INLET	1	△
14	TXFKK010L27	STAND INSULATOR BLOCK	2	
	TXN/D10L27	CIRCUIT BOARD D	1	RTL △

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
	TXN/F10L27	CIRCUIT BOARD F	1	RTL ▲
	TXN/H10L28	CIRCUIT BOARD H	1	RTL ▲
	TXNDG10L28	CIRCUIT BOARD DG	1	▲
	TXNP110L27	CIRCUIT BOARD P1	1	▲
	TZSC03008	PRINT BOARD KIT	1	
	XSN4+35FZ	SCREW	16	
	XTV3+10J	SCREW	3	
	XTV3+8J	SCREW	6	
	XTV3+8JFZ	TAPPING SCREW	2	
	XYN3+C10	SCREW	9	
	XYN3+F10	SCREW	59	
	XYN3+F6	SCREW	2	
	XYN3+F8	SCREW	108	
	XYN3+F8FZ	SCREW	6	
	XYN4+E8	SCREW	1	
	XYN5+C15	SCREW	8	
	XYN8+F20FZ	SCREW	4	
	K2ZZ02900007	LEAD WIRE BETWEEN JK001/JK002/JK003 AND JK8001/JK8002/JK800 3	3	

16.3. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C11	TJS5A8620	7P CONNECTOR	1	
C13	TJSF31370	70P CONNECTOR	1	
C21	TJS5A8630	7P CONNECTOR	1	
C22	TJS1A8790	3P CONNECTOR	1	
C23	TJSF31370	70P CONNECTOR	1	
C31	TJS5A8630	7P CONNECTOR	1	
C33	TJS1A8870	11P CONNECTOR	1	
C34	K1KA08A00232	8P CONNECTOR	1	
C35	TJSF31370	70P CONNECTOR	1	
C38	K1KA09B00025	8P CONNECTOR	1	
C39	K1KA08B00005	8P CONNECTOR	1	
C41	TJS5A8620	7P CONNECTOR	1	
C43	TJSF31370	70P CONNECTOR	1	
C48	K1KA09B00025	8P CONNECTOR	1	
C49	K1KA08B00005	8P CONNECTOR	1	
C081	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C401,02	ECKDNA222ME	C 2200PF,	2	
C404	ECKDNA222ME	C 2200PF,	1	
C405	ECQE6105JF	P 1UF, J, 630V	1	
C406,07	ECA1HHG101	E 100UF, 50V	2	
C408	ECQB1H272JF	P 2700PF, J, 50V	1	
C409	ECQB1H473JF	P 0.047UF, J, 50V	1	
C410	ECKD3D102KBP	C 1000PF, K, 2KV	1	
C411,12	ECQB1H473JF	P 0.047UF, J, 50V	2	
C413	ECKD3D101KBP	C 100PF, K, 2KV	1	
C414	ECA1HHG471	E 470UF, 50V	1	
C415	EETHC2W331L	E 330UF, 450V	1	
C416	ECQB1H473JF	P 0.047UF, J, 50V	1	
C417	EETHC2W331L	E 330UF, 450V	1	
C418	ECQE6105JF	P 1UF, J, 630V	1	
C419-21	ECKD3A102KBP	C 1000PF, K, 1KV	3	
C423	ECQU2A683MN	P 0.068UF, M, 250V	1	
C424	EEUFC1E471	E 470UF, 25V	1	
C425,26	ECQE4474JF	P 0.47UF, K, 400V	2	
C427	ECA2WHG220	E 22UF, 450V	1	
C428	ECKD3D392KBP	C 3900PF, K, 2KV	1	
C430	ECQE10104KF	P 0.1UF, K, 1KV	1	
C431	ECA1HHG220	E 22UF, 50V	1	
C432	ECQV1H104JM	P 0.1UF, J, 50V	1	
C433	ECA1EHG470	E 47UF, 25V	1	
C434	ECKD2H821KB2	C 820PF, K, 500V	1	
C435,36	ECQE4105JF	P 1UF, K, 400V	2	
C437	ECKD3A101KBP	C 100PF, K, 1KV	1	
C438	ECQV1H104JM	P 0.1UF, J, 50V	1	
C439	ECQB1H473JF	P 0.047UF, J, 50V	1	
C440	ECKDHT122KB	C 1200PF, 500V	1	
C441	ECA1EHG470	E 47UF, 25V	1	
C442,43	ECKD3D102KBP	C 1000PF, K, 2KV	2	
C444	ECA2DHG220	E 22UF, 200V	1	
C445	ECKD3A102KBP	C 1000PF, K, 1KV	1	
C449	ECA1EHG470	E 47UF, 25V	1	
C450,51	ECKD2H561KB2	C 560PF, K, 500V	2	
C452	EEUFC1C471	E 470UF, 16V	1	
C453,54	ECKD3A101KBP	C 100PF, K, 1KV	2	
C455	ECA1EHG102	E 1000UF, 25V	1	
C456	ECKDHT122KB	C 1200PF, 500V	1	
C457	ECKD3A101KBP	C 100PF, K, 1KV	1	
C458	ECQE6473JF	P 0.047UF, K, 400V	1	
C459	ECKD3A101KBP	C 100PF, K, 1KV	1	
C460	EETHC2E102K	E 1000UF, 250V	1	
C461	ECKD3A101KBP	C 100PF, K, 1KV	1	
C463,64	ECQB1H103JF	P 0.01UF, J, 50V	2	
C465	ECA1EHG472	E 4700UF, 25V	1	
C466	EETHC2E102K	E 1000UF, 250V	1	
C467	ECA1HHG010	E 1UF, 50V	1	
C468	EEUEB2C331	E 330UF, 160V	1	
C470	EETHC2E102K	E 1000UF, 250V	1	
C471,72	ECA1EHG222	E 2200UF, 25V	2	
C473	ECQB1H103JF	P 0.01UF, J, 50V	1	
C474	ECKD2H103ZU	C 0.01UF, Z, 500V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C475	ECQE6473JF	P 0.047UF, K, 400V	1	
C476-78	ECA1EHG470	E 47UF, 25V	3	
C479	EEUFC1C562	E 5600UF, 16V	1	
C480	ECA1CHG101	E 100UF, 16V	1	
C481	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C483	ECA1HHG4R7	E 4.7UF, 50V	1	
C484	EEUEB1E470	E 47UF, 25V	1	
C485	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C486,87	ECA1HHG220	E 22UF, 50V	2	
C488	ECQB1H103JF	P 0.01UF, J, 50V	1	
C489	ECKF1H223ZF	C 0.022UF, Z, 50V	1	
C490	EEUFC0J822	E 8200UF, 6.3V	1	
C491	ECQV1H105JM	P 1UF, J, 50V	1	
C492,93	ECKF1H103ZF	C 0.01UF, Z, 50V	2	
C494	ECA1HHG101	E 100UF, 50V	1	
C495	ECA1HHG220	E 22UF, 50V	1	
C496	EEUFC1A682	E 6800UF, 10V	1	
C497	ECQV1H105JM	P 1UF, J, 50V	1	
C498	ECA2AHG471	E 470UF, 100V	1	
C499	ECKDHT332KB	C 3300PF, K, 500V	1	
C500	ECKF1H223ZF	C 0.022UF, Z, 50V	1	
C501,02	ECKF1H103ZF	C 0.01UF, Z, 50V	2	
C504	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C505	EEUFC1H330	E 33UF, 50V	1	
C600	ECA1HHG100	E 10UF, 50V	1	
C601	ECQV1H105JM	P 1UF, J, 50V	1	
C603	ECQB1H472JF	P 4700PF, J, 50V	1	
C604	ECA1EHG101	E 100UF, 25V	1	
C605	ECJ2XC1H331J	C 330PF, J, 50V	1	
C606,07	ECQV1H105JM	P 1UF, J, 50V	2	
C609	ECQB1H473JF	P 0.047UF, J, 50V	1	
C610	ECQV1H104JM	P 0.1UF, J, 50V	1	
C612	ECQB1H103JF	P 0.01UF, J, 50V	1	
C613	ECQV1H105JM	P 1UF, J, 50V	1	
C614,15	ECKF1H471KB	C 470PF, K, 50V	2	
C616	ECA1EHG101	E 100UF, 25V	1	
C617	ECQM4103JZ	P 0.01UF, J, 400V	1	
C618	ECA1HHG100	E 10UF, 50V	1	
C619,20	ECKD2H472KB2	C 4700PF, K, 500V	2	
C621	ECEA1EN100U	P 0.047UF, J, 50V	1	
C622	ECKCWS102MEB	C 1000PF, M,	1	A
C650-52	ECKF1H103ZF	C 0.01UF, Z, 50V	3	
C653	ECQV1H104JM	P 0.1UF, J, 50V	1	
C654	ECKF1H101KB	C 100PF, K, 50V	1	
C655	ECA1HHG220	E 22UF, 50V	1	
C656	ECA1HHG010	E 1UF, 50V	1	
C657	ECQB1H102JF	P 1000PF, J, 50V	1	
C658	ECQB1H122JF	P 1200PF, J, 50V	1	
C659	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C660	ECQB1H103JF	P 0.01UF, J, 50V	1	
C661	ECQB1H102JF	P 1000PF, J, 50V	1	
C731	ECKF1H221KB	C 220PF, K, 50V	1	
C732	ECA1HHG220	E 22UF, 50V	1	
C733	ECQB1H102JF	P 1000PF, J, 50V	1	
C734	EEUFC1H221	E 220UF, 50V	1	
C735	ECQV1H104JM	P 0.1UF, J, 50V	1	
C736	ECJ2VB1C224K	C 0.22UF, K, 16V	1	
C737	ECQV1H474JM	P 0.47UF, J, 50V	1	
C738-40	ECQB1H102JF	P 1000PF, J, 50V	3	
C741	ECA1HHG220	E 22UF, 50V	1	
C742	ECQB1H103JF	P 0.01UF, J, 50V	1	
C743-45	ECQV1H104JM	P 0.1UF, J, 50V	3	
C750,51	ECKF1H103ZF	C 0.01UF, Z, 50V	2	
C752	ECA1EHG471	E 470UF, 25V	1	
C754	ECA1EHG470	E 47UF, 25V	1	
C755	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C756	ECA1EHG470	E 47UF, 25V	1	
C757	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C775,76	ECKF1H103ZF	C 0.01UF, Z, 50V	2	
C778	ECQV1H105JM	P 1UF, J, 50V	1	
C779-81	ECA1HHG010	E 1UF, 50V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C782	ECA1EHG101	E 100UF, 25V	1	
C783	ECA1EHG470	E 47UF, 25V	1	
C784	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C785	ECA1EHG471	E 470UF, 25V	1	
C786	ECKF1H103ZF	C 0.01UF, Z, 50V	1	
C787	ECA1EHG470	E 47UF, 25V	1	
C900,01	ECQU2A224ML	P 0.22UF, M, 250V	2	△
C902	ECQU2A105ML	P 1UF, M, 250V	1	△
C903-06	ECKCNA221KB7	C 220PF	4	△
C2312	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2313	ECA1HMG470	E 47UF, 50V	1	
C2314	ECA1CHG470	E 47UF, 16V	1	
C2316,17	ECQV1H474JM	P 0.47UF, J, 50V	2	
C2318,19	ECJ2XC1H561J	C 560PF, J, 50V	2	
C2320-22	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C2323	ECA1HM221	E 220UF, 50V	1	
C2324	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2325	ECA1HM221	E 220UF, 50V	1	
C2326,27	ECJ2XC1H221J	C 220PF, J, 50V	2	
C2328,29	ECJ2VF1H104Z	C 0.1UF, Z, 50V	2	
C2330	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C2331	ECJ2XC1H101J	C 100PF, J, 50V	1	
C2332	ECJ2XB1H472K	C 4700PF, K, 50V	1	
C2333	ECJ2XC1H101J	C 100PF, J, 50V	1	
C2334,35	TCUY1C225KBM	C 2.2UF, 16V	2	
C2336,37	ECJ2XB1H473K	C 0.047UF, K, 50V	2	
C2338,39	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2340-43	ECJ2VF1H104Z	C 0.1UF, Z, 50V	4	
C2344-47	EEUGZ1D102SB	E 1000UF, 20V	4	
C2348	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2349,50	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C2401	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2402	ECA1VM470	E 47UF, 35V	1	
C2408	ECJ2XC1H151J	C 150PF, J, 50V	1	
C2409	ECA1HM100	E 10UF, 50V	1	
C2410,11	ECJ2XB1H153K	C 0.015UF, K, 50V	2	
C2412,13	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C2414	ECA1CM101	E 100UF, 16V	1	
C2415,16	TCUY1C105KBM	C 1UF, 16V	2	
C2417	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2418	TCUY1C105KBM	C 1UF, 16V	1	
C2419	EEVHB1C100	E 10UF, 16V	1	
C2420	TCUY1E105KBM	C 1UF, K, 25V	1	
C2421	EEVHB1C100	E 10UF, 16V	1	
C2422	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C2423	ECJ2XB1H123K	C 0.012UF, K, 50V	1	
C2426	ECJ2XB1H123K	C 0.012UF, K, 50V	1	
C2427	EEVHB1C100	E 10UF, 16V	1	
C2428	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2429	ECA1CM101	E 100UF, 16V	1	
C2431	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C2433	ECJ2XB1H393K	C 0.039UF, K, 50V	1	
C2434	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C2435	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C2436	TCUY1C105KBM	C 1UF, 16V	1	
C2437	ECA1CM101	E 100UF, 16V	1	
C2440,41	TCUY1C475ZFM	C 437UF, 16V	2	
C2450	EEVHB1C100	E 10UF, 16V	1	
C2451	EEVHB1E4R7	E 4.7UF, 25V	1	
C2452	ECJ2XB1H562K	C 5600PF, K, 50V	1	
C2453	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C2454	EEVHB1E4R7	E 4.7UF, 25V	1	
C2455	ECA1CM101	E 100UF, 16V	1	
C2457	EEVHB1E4R7	E 4.7UF, 25V	1	
C2458	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C2459	TCUY1C105KBM	C 1UF, 16V	1	
C2460	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2461,62	ECJ2XC1H102J	C 1000PF, J, 50V	2	
C2463	ECJ2XB1H473K	C 0.047UF, K, 50V	1	
C2464	ECJ2VB1H333K	C 0.033UF, K, 50V	1	
C2466,67	TCUY1C105KBM	C 1UF, 16V	2	
C2474	TCUY1C105KBM	C 1UF, 16V	1	
C3501	ECJ2XB1E104K	C 0.1UF, K, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3502	EEVHB1C470	E 47UF, 16V	1	
C3504	ECJ2XB1E104K	C 0.1UF, K, 25V	1	
C3507	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3508	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3509	EEVHB1C470	E 47UF, 16V	1	
C3510	ECJ2VF1E104Z	C 0.1UF, Z, 25V	1	
C3511,12	ECJ1XC1H330J	C 33PF, J, 50V	2	
C3513-18	EEVHB1C470	E 47UF, 16V	6	
C3520	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3521	EEVHB1C470	E 47UF, 16V	1	
C3523	EEVHB1C470	E 47UF, 16V	1	
C3524	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3525-27	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C3528	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3529-31	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C3532	EEVHB1C470	E 47UF, 16V	1	
C3533-36	ECJ3XB0J106M	C 10UF, M, 6.3V	4	
C3537-39	EEVHB1C470	E 47UF, 16V	3	
C3540,41	ECJ3XB0J106M	C 10UF, M, 6.3V	2	
C3542,43	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C3544	EEVHB1C470	E 47UF, 16V	1	
C3545	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3546	EEVHB1C470	E 47UF, 16V	1	
C3547	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3548,49	EEVHB1C470	E 47UF, 16V	2	
C3550-52	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C3553	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3554	EEVHB1C470	E 47UF, 16V	1	
C3555-62	ECJ2VF1C105Z	C 1UF, Z, 16V	8	
C3563	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3564,65	EEVHB1C470	E 47UF, 16V	2	
C3566	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3567-69	ECJ3XB0J106M	C 10UF, M, 6.3V	3	
C3570	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3571,72	EEVHB1C470	E 47UF, 16V	2	
C3573	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3574,75	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3576	EEVHB1H100	E 10UF, 50V	1	
C3577	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C3578-80	ECJ2VF1H104Z	C 0.1UF, Z, 50V	3	
C3581-83	EEVHB1C470	E 47UF, 16V	3	
C3584	ECJ2VF1H104Z	C 0.1UF, Z, 50V	1	
C3585	EEVHB1C470	E 47UF, 16V	1	
C3587	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C3590	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3591,92	TCUY1C105ZFN	C 1UF, 16V	2	
C3593	ECJ2VF1E104Z	C 0.1UF, Z, 25V	1	
C3594,95	TCUY1C105ZFN	C 1UF, 16V	2	
C6401-08	TCUY1C105ZFN	C 1UF, 16V	8	
C6411	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6421	ECJ2XB1H222K	C 2200PF, K, 50V	1	
C6511,12	F1L1E4750004	C 4.7UF, 25V	2	
C6513,14	ECA2AHG470	E 47UF, 100V	2	
C6521	EEUFC1E470	E 47UF, 25V	1	
C6523	EEUFC1E470	E 47UF, 25V	1	
C6524,25	F1K2D1020001	C 1000PF, K, 200V	2	
C6531,32	F1L1E4750004	C 4.7UF, 25V	2	
C6533-35	F1K2D1020001	C 1000PF, K, 200V	3	
C6541	F1L1E4750004	C 4.7UF, 25V	1	
C6542	EEUEB2C470	E 47UF, 160V	1	
C6546	TCUY1C105ZFN	C 1UF, 16V	1	
C6561-78	TCUY1C105ZFN	C 1UF, 16V	18	
C6579	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6580	TCUY1C105ZFN	C 1UF, 16V	1	
C6581	F1L1E4750004	C 4.7UF, 25V	1	
C6582,83	ECA1EHG101	E 100UF, 25V	2	
C6584	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6585,86	TCUY1C105ZFN	C 1UF, 16V	2	
C6587	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6588-90	TCUY1C105ZFN	C 1UF, 16V	3	
C6591	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6592,93	TCUY1C105ZFN	C 1UF, 16V	2	
C6594	ECJ2XC1H102J	C 1000PF, J, 50V	1	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6595,96	TCUY1C105ZFN	C 1UF, 16V	2	
C6597	ECA2EHG100	E 10UF, 250V	1	
C6598	ECA2AHG470	E 47UF, 100V	1	
C6599	ECA1EHG101	E 100UF, 25V	1	
C6601	EEUEB2E151	E 150UF, 250V	1	
C6603,04	EEUEB2E151	E 150UF, 250V	2	
C6605	ECA2CHG100	E 10UF, 160V	1	
C6606	EEUEB2E151	E 150UF, 250V	1	
C6607-09	ECWF2474JSR	P 0.47UF, J,250V	3	
C6611-18	F1K2H222A001	C 2200PF, K,500V	8	
C6621-26	ECQE2335KB	P 3.3UF, K,250V	6	
C6631,32	F1L1E4750004	C 4.7UF, 25V	2	
C6633	TCUY1C105ZFN	C 1UF, 16V	1	
C6634,35	F1L1E4750004	C 4.7UF, 25V	2	
C6636	TCUY1C105ZFN	C 1UF, 16V	1	
C6637,38	F1L1E4750004	C 4.7UF, 25V	2	
C6639	TCUY1C105ZFN	C 1UF, 16V	1	
C6644,45	F1L1E4750004	C 4.7UF, 25V	2	
C6646,47	TCUY1C105ZFN	C 1UF, 16V	2	
C6650	F1L1E4750004	C 4.7UF, 25V	1	
C6651	EEUEB2D101E	E 100UF, 200V	1	
C6653,54	EEUFC1E221	E 220UF, 25V	2	
C6655	EEUFC1E470	E 47UF, 25V	1	
C6701-04	EEUEB2E151	E 150UF, 250V	4	
C6711-18	F1K2H222A001	C 2200PF, K,500V	8	
C6721-26	ECQE2335KB	P 3.3UF, K,250V	6	
C6731,32	F1L1E4750004	C 4.7UF, 25V	2	
C6733	TCUY1C105ZFN	C 1UF, 16V	1	
C6734,35	F1L1E4750004	C 4.7UF, 25V	2	
C6736	TCUY1C105ZFN	C 1UF, 16V	1	
C6737,38	F1L1E4750004	C 4.7UF, 25V	2	
C6739	TCUY1C105ZFN	C 1UF, 16V	1	
C6744,45	F1L1E4750004	C 4.7UF, 25V	2	
C6746	TCUY1C105ZFN	C 1UF, 16V	1	
C6747,48	F1L1E4750004	C 4.7UF, 25V	2	
C6749	TCUY1C105ZFN	C 1UF, 16V	1	
C6750	F1L1E4750004	C 4.7UF, 25V	1	
C6751	EEUEB2D101E	E 100UF, 200V	1	
C6752-54	EEUFC1E221	E 220UF, 25V	3	
C6755	TCUY1C105ZFN	C 1UF, 16V	1	
C6756-59	ECWF2474JSR	P 0.47UF, J,250V	4	
C6760	ECQE2104KF	P 0.1UF, K,250V	1	
C6761	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6762	TCUY1C105ZFN	C 1UF, 16V	1	
C6764	TCUY1C105ZFN	C 1UF, 16V	1	
C7011	TACCP2E104MT	C 0.1UF, 250V	1	
C7012-14	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C7015	ECA2CHG100	E 10UF, 160V	1	
C7021	TACCP2E104MT	C 0.1UF, 250V	1	
C7022-24	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C7025	ECA2AHG101	E 100UF, 100V	1	
C7031	TACCP2E104MT	C 0.1UF, 250V	1	
C7032-34	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C7035	ECA2CHG330	E 33UF, 160V	1	
C7038	EEUFC1E470	E 47UF, 25V	1	
C7039	ECA1EHG101	E 100UF, 25V	1	
C7101,02	ECA2AHG470	E 47UF, 100V	2	
C7105-08	TACCP2E104MT	C 0.1UF, 250V	4	
C7110-12	TCUY1C105ZFN	C 1UF, 16V	3	
C7115	TCUY1C105ZFN	C 1UF, 16V	1	
C7201,02	ECA2AHG470	E 47UF, 100V	2	
C7205-08	TACCP2E104MT	C 0.1UF, 250V	4	
C7209-11	TCUY1C105ZFN	C 1UF, 16V	3	
C7212	TACCP2E104MT	C 0.1UF, 250V	1	
C7213,14	TCUY1C105ZFN	C 1UF, 16V	2	
C7303,04	ECA2AHG470	E 47UF, 100V	2	
C7305-08	TACCP2E104MT	C 0.1UF, 250V	4	
C7309-11	TCUY1C105ZFN	C 1UF, 16V	3	
C7312	TACCP2E104MT	C 0.1UF, 250V	1	
C7313,14	TCUY1C105ZFN	C 1UF, 16V	2	
C7316	TCUY1C105ZFN	C 1UF, 16V	1	
C7403,04	ECA2AHG470	E 47UF, 100V	2	
C7405-08	TACCP2E104MT	C 0.1UF, 250V	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7410-12	TCUY1C105ZFN	C 1UF, 16V	3	
C7414	TCUY1C105ZFN	C 1UF, 16V	1	
C8001-04	ECJ2VF1C105Z	C 1UF, Z, 16V	4	
C8005	ECJ2YF1C225Z	C 22PF, J, 16V	1	
C8006	EEVHB1C470	E 47UF, 16V	1	
C8007-10	EEVHP0J470	E 47UF, 6.3V	4	
C8011,12	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8013	ECJ3XB1C105K	C 1UF, K, 16V	1	
C8014	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8015	ECJ3XB1C105K	C 1UF, K, 16V	1	
C8016-20	ECJ2VF1H103Z	C 0.01UF, Z, 50V	5	
C8021	EEVHB1C470	E 47UF, 16V	1	
C8022-24	ECA1CM471	E 470UF, 16V	3	
C8026	ECJ3XB1C105K	C 1UF, K, 16V	1	
C8027	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8029	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8030	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8031,32	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8033	ECJ2XC1H272J	C 2700PF, J, 50V	1	
C8034	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8035	ECJ2XC1H560J	C 56PF, J, 50V	1	
C8036,37	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8038	EEVHB1C470	E 47UF, 16V	1	
C8039	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8040	ECJ2YF1C225Z	C 22PF, J, 16V	1	
C8041	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8042	EEVHP1E220P	E 22UF, 25V	1	
C8044	TCUY0J335MBM	C 3.3UF, 6.3V	1	
C8045-47	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C8048	TCUY0J335MBM	C 3.3UF, 6.3V	1	
C8049	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8050-52	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C8053	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8054-60	ECJ2VF1H103Z	C 0.01UF, Z, 50V	7	
C8061,62	EEVHB0J101	E 100UF, 6.3V	2	
C8063	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8064	TCUY1C225KBM	C 2.2UF, 16V	1	
C8067,68	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8070	ECJ2XB1H152K	C 1500PF, K, 50V	1	
C8071	TCUY1C225KBM	C 2.2UF, 16V	1	
C8072-75	ECJ2VF1H103Z	C 0.01UF, Z, 50V	4	
C8076	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8077	TCUY1C475ZFM	C 4.7UF, K, 16V	1	
C8078-80	ECJ2XB1H103K	C 0.01UF, K, 50V	3	
C8081	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8082	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8083	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C8084,85	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8086	ECJ2XC1H220J	C 22UF, J, 50V	1	
C8087	ECJ2XC1H120J	C 12PF, J, 50V	1	
C8088	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8089	ECJ2XC1H151J	C 150PF, J, 50V	1	
C8090-92	ECJ2VF1H103Z	C 0.01UF, Z, 50V	3	
C8093	EEVHB1C470	E 47UF, 16V	1	
C8094	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C8095	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C8096	ECJ2XC1H101J	C 100PF, J, 50V	1	
C8098	ECJ2XB1H182K	C 1800PF, K, 50V	1	
C8099	ECJ2XC1H151J	C 150PF, J, 50V	1	
C8101	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8103	ECJ2YF1C225Z	C 22PF, J, 16V	1	
C8105	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8106	EEVHB1C470	E 47UF, 16V	1	
C8107	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8108	EEVHB1C470	E 47UF, 16V	1	
C8109,10	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8111	EEVHB1C470	E 47UF, 16V	1	
C8114	EEVHP1E220P	E 22UF, 25V	1	
C8116	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8119	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8124	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8126	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C8127	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8129	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C8130	ECJ2XC1H030C	C 3PF, C, 50V	1	
C8131	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8132	ECJ3XB1C334K	C 0.33UF, K, 16V	1	
C8133	ECJ2XC1H221J	C 220PF, J, 50V	1	
C8134,35	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8136	ECJ2XC1H030C	C 3PF, C, 50V	1	
C8137	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8138	ECJ2VF1H473Z	C 0.047UF, Z, 50V	1	
C8140	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8141	EEVHB1C470	E 47UF, 16V	1	
C8146	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8148-51	ECJ2VF1H103Z	C 0.01UF, Z, 50V	4	
C8152	EEVHB0J101	E 100UF, 6.3V	1	
C8153	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8155	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8156	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8158	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8160,61	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8162	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8163	ECJ2XB1H471K	C 470PF, K, 50V	1	
C8164,65	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8166	EEVHB1C470	E 47UF, 16V	1	
C8167,68	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8169	EEVHB1C470	E 47UF, 16V	1	
C8170	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8171	EEVHB1C470	E 47UF, 16V	1	
C8172,73	ECJ2VF1H103Z	C 0.01UF, Z, 50V	2	
C8174,75	EEVHB1C470	E 47UF, 16V	2	
C8176	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8177	ECJ3XB1C334K	C 0.33UF, K, 16V	1	
C8178	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8179	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C8184	ECJ2VF1H103Z	C 0.01UF, Z, 50V	1	
C8300	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C9001-03	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9004,05	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9006	EEVHB1C470	E 47UF, 16V	1	
C9007	EEVHB0G221	E 220UF, 4V	1	
C9008-10	EEVHP1E220P	E 22UF, 25V	3	
C9011-13	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9014	EEVHB1C470	E 47UF, 16V	1	
C9015-18	ECJ1VF1C104Z	C 0.1UF, Z, 16V	4	
C9020-31	ECJ3XF1C475Z	C 4.7UF, Z, 16V	12	
C9034-36	ECJ3XF1C475Z	C 4.7UF, Z, 16V	3	
C9037-39	ECJ1XC1H030C	C 3PF, C, 50V	3	
C9040	EEVHB0J101	E 100UF, 6.3V	1	
C9041	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9043	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9045-48	ECJ3XF1C475Z	C 4.7UF, Z, 16V	4	
C9050	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9051,52	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9053	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9054	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9055	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9056	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9057	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9058	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9059	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9060	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9061	EEVHB0J101	E 100UF, 6.3V	1	
C9062	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9064-66	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9069	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9070	EEVHB0G221	E 220UF, 4V	1	
C9071	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9072	EEVHB0J101	E 100UF, 6.3V	1	
C9073	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9074	EEVHB0G221	E 220UF, 4V	1	
C9075	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9076	EEVHB0G221	E 220UF, 4V	1	
C9077	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9078	EEVHB0J101	E 100UF, 6.3V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9079,80	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9081	EEVHB0G221	E 220UF, 4V	1	
C9082	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9083	EEVHB0J101	E 100UF, 6.3V	1	
C9084	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9085	EEVHB0J101	E 100UF, 6.3V	1	
C9086-88	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9090	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9200,01	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9204-08	ECJ1VF1C104Z	C 0.1UF, Z, 16V	5	
C9209,10	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9211,12	TCUY1C105ZFN	C 1UF, 16V	2	
C9215	ECJ1XC1H151J	C 150PF, J, 50V	1	
C9216,17	TCUY1C105ZFN	C 1UF, 16V	2	
C9218	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9219	EEVHB1C470	E 47UF, 16V	1	
C9220	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9221	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9222-27	ECJ1VF1C104Z	C 0.1UF, Z, 16V	6	
C9229-36	ECJ1VF1C104Z	C 0.1UF, Z, 16V	8	
C9237	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C9238-40	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9243,44	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9245,46	EEVHB1C470	E 47UF, 16V	2	
C9248,49	ECJ2VB1C104K	C 0.1UF, K, 16V	2	
C9250,51	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9253,54	TCUY1C105KBM	C 1UF, 16V	2	
C9255	ECJ2VB1E563K	C 0.056UF, K, 25V	1	
C9256,57	TCUY0J685MBM	C 6.8UF, 6.3V	2	
C9258	ECJ2VB1E563K	C 0.056UF, K, 25V	1	
C9260,61	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9262,63	TCUY0J685MBM	C 6.8UF, 6.3V	2	
C9264	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9265	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C9266	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9271	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C9272	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9273	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C9274	EEVHB1C470	E 47UF, 16V	1	
C9275	TCUY1C105ZFN	C 1UF, 16V	1	
C9276	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9277	TCUY1C105ZFN	C 1UF, 16V	1	
C9278	ECJ2VB1E563K	C 0.056UF, K, 25V	1	
C9279	TCUY1C105KBM	C 1UF, 16V	1	
C9280	ECJ2VB1C104K	C 0.1UF, K, 16V	1	
C9281	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9285	ECJ1XC1H150J	C 15PF, J, 50V	1	
C9304,05	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9306	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9308-11	ECJ1VF1C104Z	C 0.1UF, Z, 16V	4	
C9314,15	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9317	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9319	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9322	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9327	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9331	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9333-37	ECJ1VF1C104Z	C 0.1UF, Z, 16V	5	
C9400	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9401	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9402,03	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9404	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9405	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9406	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9407-14	ECJ1VF1C104Z	C 0.1UF, Z, 16V	8	
C9415	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9417-19	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9422	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9500	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9502	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9503	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9504-17	ECJ1VF1C104Z	C 0.1UF, Z, 16V	14	
C9518,19	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9522-25	ECJ1VF1C104Z	C 0.1UF, Z, 16V	4	

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9526-29	ECJ3XF1C475Z	C 4.7UF, Z, 16V	4	
C9530-44	ECJ1VF1C104Z	C 0.1UF, Z, 16V	15	
C9545,46	ECJ3XF1C475Z	C 4.7UF, Z, 16V	2	
C9547-57	ECJ1VF1C104Z	C 0.1UF, Z, 16V	11	
C9558	TCUY1C105ZFN	C 1UF, 16V	1	
C9559	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9560	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9562	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9701	TCUY1C105ZFN	C 1UF, 16V	1	
C9702	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9703	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9704	EEVHB1C470	E 47UF, 16V	1	
C9705	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9708,09	ECJ1XC1H101J	C 100PF, J, 50V	2	
C9710	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C9711	ECJ1XC1H101J	C 100PF, J, 50V	1	
C9712	EEVHB1C470	E 47UF, 16V	1	
C9714-16	ECJ1XC1H101J	C 100PF, J, 50V	3	
C9717	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9718	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9719,20	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9721	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9722	ECJ1VF1H103Z	C 0.01UF, Z, 50V	1	
C9723	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9724-27	ECJ1VF1H103Z	C 0.01UF, Z, 50V	4	
C9728,29	ECJ1XC1H100D	C 10PF, D, 50V	2	
C9730	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9731	TCUY0J685MBM	C 6.8UF, 6.3V	1	
C9732	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9733	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9734,35	ECJ1VF1H103Z	C 0.01UF, Z, 50V	2	
C9736,37	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9739-41	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9742	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9743	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9744	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9900	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9902	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9903	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9906,07	ECJ1VF1C104Z	C 0.1UF, Z, 16V	2	
C9909-11	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9912	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9913,14	ECJ1XC1H330J	C 33PF, J, 50V	2	
C9915-17	ECJ1VF1C104Z	C 0.1UF, Z, 16V	3	
C9918	EEVHB1C470	E 47UF, 16V	1	
C9919	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9922	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9923	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C9926	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9928	ECJ1VF1C104Z	C 0.1UF, Z, 16V	1	
C9932	ECJ1XC1H100D	C 10PF, D, 50V	1	
C9933	ECJ1XC1H471J	C 470PF, J, 50V	1	
CA1-A7	K1MN80B00001	1P CONNECTOR	7	
CB1-B7	K1MN80B00001	1P CONNECTOR	7	
D1	TJSF31370	70P CONNECTOR	1	
D2	TJSF31010	CONNECTOR	1	
D3	TJSF12506	6P CONNECTOR	1	
D4	TJSF12608	8P CONNECTOR	1	
D5	TJSF31010	CONNECTOR	1	
D7	TJSF33909	CONNECTOR	1	
D13	TJSF31370	70P CONNECTOR	1	
D20	K1KA10A00266	CONNECTOR	1	
D21	K1KA11A00078	CONNECTOR	1	
D23	TJSF31370	70P CONNECTOR	1	
D35	TJSF31370	70P CONNECTOR	1	
D43	TJSF31370	70P CONNECTOR	1	
D081	LNJ107W5PRW	LED	1	
D082	MA8056M	ZENER DIODE	1	
D401,02	EG01	DIODE	2	
D403	RBV-1306HF35	DIODE	1	
D404	D1NL20UV70	DIODE	1	
D405	TVSRG2A	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D406	MA4300H	ZENER DIODE	1	
D407	MA165	DIODE	1	
D408	MA4300H	ZENER DIODE	1	
D409	TMPG10G3	DIODE	1	
D410,11	MA166	DIODE	2	
D412	D5L60F4015	DIODE	1	
D413	MA165	DIODE	1	
D414,15	RK34	DIODE	2	
D416,17	AK04	DIODE	2	
D418	MA165	DIODE	1	
D419	S1WBA80	DIODE	1	
D421	TMPG10G3	DIODE	1	
D422	D1NL20UV70	DIODE	1	
D425	MA4082L	ZENER DIODE	1	
D426	ERA22-10	DIODE	1	
D427	TVSRG2A	DIODE	1	
D428	MA165	DIODE	1	
D429	D1NL20UV70	DIODE	1	
D430	RC3B2LFU1	DIODE	1	
D431	D1NL40V70	DIODE	1	
D432	MA2120A	ZENER DIODE	1	
D433	B0FAAR000003	DIODE	1	FMX-G16S
D434-36	PC123FY2	PHOTO COUPLER	3	B3PAA0000012 
D437,38	MA4150M	ZENER DIODE	2	
D439,40	EU02	DIODE	2	
D441,42	ERC91-02	DIODE	2	
D443	FML-G12S	DIODE	1	
D444	D1NL40V70	DIODE	1	
D445	FML-G12S	DIODE	1	
D446	FMGG2CS	DIODE	1	
D447	MA700A	DIODE	1	MA2C700A
D448	MA4051M	ZENER DIODE	1	
D449	D1NL20UV70	DIODE	1	
D450	MA165	DIODE	1	
D451	ERA15-02	DIODE	1	
D452	MA4056M	ZENER DIODE	1	
D453	MA165	DIODE	1	
D454	RK44	DIODE	1	
D455,56	D1NL40V70	DIODE	2	
D457	MA2330-A	ZENER DIODE	1	
D459	MA165	DIODE	1	
D460	MA4047H	ZENER DIODE	1	
D461	RK34	DIODE	1	
D462,63	MA4150M	ZENER DIODE	2	
D464	D1NL40V70	DIODE	1	
D465	MA165	DIODE	1	
D468	D1NL40V70	DIODE	1	
D469	MA4068H	ZENER DIODE	1	
D470	D1NL40V70	DIODE	1	
D471	MA165	DIODE	1	
D472	MA4043H	ZENER DIODE	1	
D473-75	MA165	DIODE	3	
D604	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 
D606	PC123FY2	PHOTO COUPLER	1	B3PAA0000012 
D607	MA3062M	ZENER DIODE	1	
D608,09	MA152K	DIODE	2	
D615	MA152K	DIODE	1	
D650	MA3140M	ZENER DIODE	1	
D651	MA152K	DIODE	1	
D654	M1FS4	DIODE	1	
D655	MA3120M	ZENER DIODE	1	
D656	MA152K	DIODE	1	
D657,58	D1FL40F4063	DIODE	2	
D659	MA3120M	ZENER DIODE	1	
D730	MA152K	DIODE	1	
D731-33	D1FL40F4063	DIODE	3	
D734	MA152K	DIODE	1	
D735	MA3300L	ZENER DIODE	1	
D736	D1FL40F4063	DIODE	1	
D737	M1FS4	DIODE	1	
D738	D1FL40F4063	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D739	MA3300L	ZENER DIODE	1	
D740	D1FL40F4063	DIODE	1	
D741	MA3039H	ZENER DIODE	1	
D742	MA152K	DIODE	1	
D750	MA3047H	ZENER DIODE	1	
D751,52	MA152K	DIODE	2	
D753	MA3033L	ZENER DIODE	1	
D775,76	MA152K	DIODE	2	
D777	MA3039H	ZENER DIODE	1	
D900	ERZV10V621P2	VARISTOR	1	
D2301-04	M1FS4	DIODE	4	
D2305,06	RU4AM	DIODE	2	
D2307	MA152K	DIODE	1	
D2403,04	MA152K	DIODE	2	
D2405	MA152WA	DIODE	1	
D3501-04	MA3056M	ZENER DIODE	4	
D3505-10	MA153	DIODE	6	
D6401,02	MA8056H	ZENER DIODE	2	
D6406,07	MA8056H	ZENER DIODE	2	
D6501-08	HCPLM611#500	DIODE	8	
D6509	D1FL40F4063	DIODE	1	
D6511	D1FL40F4063	DIODE	1	
D6512-14	MA111	DIODE	3	
D6515,16	D1FL40F4063	DIODE	2	
D6521	D1FL40F4063	DIODE	1	
D6522	MA111	DIODE	1	
D6523,24	MA8051L	ZENER DIODE	2	
D6526	D1FL40F4063	DIODE	1	
D6527	MA111	DIODE	1	
D6531	EC8FS6	DIODE	1	
D6532,33	MA111	DIODE	2	
D6534,35	MA8051L	ZENER DIODE	2	
D6536	MA111	DIODE	1	
D6538	MA111	DIODE	1	
D6541	MA111	DIODE	1	
D6542-44	MA8330M	ZENER DIODE	3	
D6561,62	MA111	DIODE	2	
D6563	EC8FS6	DIODE	1	
D6564	MA8051L	ZENER DIODE	1	
D6565	MA111	DIODE	1	
D6567,68	D1FL40F4063	DIODE	2	
D6570	D1FL40F4063	DIODE	1	
D6572	D1FL40F4063	DIODE	1	
D6600	LNJ206R5ARA	LED	1	
D6601	D1FL20UF4063	DIODE	1	
D6602-05	M1FS4	DIODE	4	
D6606	D1FL40F4063	DIODE	1	
D6607	D1FL20UF4063	DIODE	1	
D6608	D1FL40F4063	DIODE	1	
D6609	MA8051L	ZENER DIODE	1	
D6610	D1FL40F4063	DIODE	1	
D6611,12	MA8330M	ZENER DIODE	2	
D6613-16	M1FS4	DIODE	4	
D6620-23	SF20LC30F10	DIODE	4	
D6625-34	SF20LC30F10	DIODE	10	
D6641-44	M1FS4	DIODE	4	
D6645,46	D1FL40F4063	DIODE	2	
D6700	LNJ206R5ARA	LED	1	
D6701	D1FL20UF4063	DIODE	1	
D6702-05	M1FS4	DIODE	4	
D6706	D1FL40F4063	DIODE	1	
D6707	D1FL20UF4063	DIODE	1	
D6708	D1FL40F4063	DIODE	1	
D6711,12	MA8330M	ZENER DIODE	2	
D6720-33	SF20LC30F10	DIODE	14	
D6741,42	M1FS4	DIODE	2	
D6743-46	D1FL40F4063	DIODE	4	
D6747,48	M1FS4	DIODE	2	
D6749	TMPG10G3	DIODE	1	
D7001-03	TLP621GR	PHOTO COUPLER	3	
D7011	D1FL40F4063	DIODE	1	
D7012	MA111	DIODE	1	
D7014,15	MA111	DIODE	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D7016-18	D1FL40F4063	DIODE	3	
D7021	D1FL40F4063	DIODE	1	
D7022	MA111	DIODE	1	
D7024,25	MA111	DIODE	2	
D7026,27	D1FL40F4063	DIODE	2	
D7029	EC8FS6	DIODE	1	
D7031	D1FL40F4063	DIODE	1	
D7032	MA111	DIODE	1	
D7034,35	MA111	DIODE	2	
D7036	D1FL40F4063	DIODE	1	
D7038	EC8FS6	DIODE	1	
D8005	LNJ206R5ARA	LED	1	
D8016,17	MA152K	DIODE	2	
D9012,13	MA3062M	ZENER DIODE	2	
D9015,16	MA3062M	ZENER DIODE	2	
D9018	MA3062M	ZENER DIODE	1	
D9022,23	MA3062M	ZENER DIODE	2	
D9035	MA3036H	ZENER DIODE	1	
D9200-02	MA152K	DIODE	3	
D9700,01	MA152K	DIODE	2	
D9705	MA3062M	ZENER DIODE	1	
DG1	TJSF31370	70P CONNECTOR	1	
DG4	TJS3A9650	4P CONNECTOR	1	
DG5	TJS3A9640	3P CONNECTOR	1	
DG6	TJS1A8840	8P CONNECTOR	1	
DG17	TJS1A8870	11P CONNECTOR	1	
DG98	TJS1A8100	PHONO PIN (4P)	1	
DG99	TJS1A8130	PHONO PIN (7P)	1	
F1	TJS3A9630	CONNECTOR	1	
F9	TJS3A9630	CONNECTOR	1	
F900-1,-2	EYF-52BC	FUSE HOLDER	2	
F901-1,-2	EYF-52BC	FUSE HOLDER	2	
H37	TJS3A9640	3P CONNECTOR	1	
IC401	UPC24M15AHF	LINEAR IC	1	
IC402	UPC24M18AHF	LINEAR IC	1	
IC403	MIP0210SY1TV	IC (LOGIC)	1	
IC405,06	UPC1093J	LINEAR IC	2	C0DAEMC00002
IC407	UPC2260V	LINEAR IC	1	
IC408,09	PQ30RV21A	LINEAR IC	2	
IC410	SI-8033S	HYBRID IC	1	
IC411	SI-8050S	HYBRID IC	1	
IC412	UPC1093J	LINEAR IC	1	C0DAEMC00002
IC600	IR2117	IC	1	
IC601	M51997P	LINEAR IC	1	
IC602	UC3715N	LINEAR IC	1	
IC603	UPC1093J	LINEAR IC	1	C0DAEMC00002
IC650	AN8026	LINEAR IC	1	
IC735	MC33262P	IC	1	
IC736	AN6913	LINEAR IC	1	
IC737	AN78L05	LINEAR IC	1	
IC750	AN6912	LINEAR IC	1	
IC775	AN6912	LINEAR IC	1	
IC2301,02	TDA7480	LINEAR IC	2	
IC2304	PQ09SZ1T	IC	1	
IC2401	BH3866S	LINEAR IC	1	
IC2402	NJM2904M	LINEAR IC	1	C0ABBA000021
IC3503	C2FBEC000001	IC	1	PIC16F876-20B/S0
IC3503	TVR7400	IC	1	PIC16F876-20B/S0
IC3504	MC14052BF	MOS IC (CMOS GATE ARRLY) *	1	
IC3505	M52055FP	LINEAR IC	1	
IC3506	MC14052BF	MOS IC (CMOS GATE ARRLY) *	1	
IC3507	CXA1315M	LINEAR IC	1	
IC3508	M52055FP	LINEAR IC	1	
IC3511	C2FBEC000001	IC	1	PIC16F876-20B/S0

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Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC3511	TVRJ407	IC	1	PIC16F876-20B/S0
IC3512	MAX232NS	IC	1	
IC3513	TC74HCU04AF	MOS IC (CMOS S/LOGIC)	1	
IC3514	TC7SH32F	IC	1	C0JBAE000191
IC6401-08	STV7617D	IC	8	
IC6501-04	TC74HC02AF	MOS IC (CMOS S/LOGIC)	4	
IC6505,06	TC74HC14AF	MOS IC (CMOS S/LOGIC)	2	
IC6508	AN78L05M	LINEAR IC	1	
IC6509	AN78L15M	LINEAR IC	1	
IC6510	AN78L05M	LINEAR IC	1	
IC6511	M63991FP	LINEAR IC	1	
IC6521	M63991FP	LINEAR IC	1	
IC6531	M63991FP	LINEAR IC	1	
IC6532	AN1431M	LINEAR IC	1	
IC6541	M63991FP	LINEAR IC	1	
IC6601-04	M63991FP	LINEAR IC	4	
IC6605,06	TC74HC244AF	MOS IC (CMOS S/LOGIC)	2	
IC6701-05	M63991FP	LINEAR IC	5	
IC6706	TC74HC244AF	MOS IC (CMOS S/LOGIC)	1	
IC6707	TC74HC02AF	MOS IC (CMOS S/LOGIC)	1	
IC6711,12	AN1431M	LINEAR IC	2	
IC7001	AN1431M	LINEAR IC	1	
IC7003,04	AN1431M	LINEAR IC	2	
IC7005	AN78L15M	LINEAR IC	1	
IC7006	AN1431M	LINEAR IC	1	
IC7101	TC74ACT244F	IC	1	
IC7201	TC74ACT244F	IC	1	
IC7301	TC74ACT244F	IC	1	
IC7401	TC74ACT244F	IC	1	
IC8001-04	C0ABGB000001	IC	4	AD8055ART-REEL7
IC8005	TC4W53F	MOS IC (CMOS S/LOGIC)	1	
IC8006	MM1065ZMR	LINEAR IC	1	
IC8007	C1AB00000921	IC	1	UPD64082GF-3BA
IC8008	M514265C6TSK	IC	1	
IC8009	CXA1211M	LINEAR IC	1	
IC8010	M52036SP	LINEAR IC	1	
IC8011	TC74HC14AF	MOS IC (CMOS S/LOGIC)	1	
IC8012	PST9128NR	IC (LOGIC)	1	
IC8014	M52065FP	LINEAR IC	1	
IC8015	CXA1211M	LINEAR IC	1	
IC8016	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC8017	TC74LCX74F	MOS IC (CMOS S/LOGIC)	1	
IC8018	VPC3215CB8TP	IC	1	
IC8019	PST9142NR	IC (LOGIC)	1	
IC8020	JLC1562BF	MOS IC (MICON LSI)	1	
IC8021	AN78L05M	LINEAR IC	1	
IC8023	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC8025	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC8027,28	TC74LCX244F	MOS IC (CMOS S/LOGIC)	2	
IC8029	PQ09SZ1T	IC	1	
IC8030	PQ12SZ1T	IC	1	
IC8033	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC9000-02	C0ABGB000001	IC	3	AD8055ART-REEL7
IC9003	PQ09SZ1T	IC	1	
IC9004-06	M52055FP	LINEAR IC	3	
IC9007-09	C0FBAD000053	IC	3	AD9283BRSR80
IC9010	PQ05SZ1U	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC9011	C1AB00001231	IC	1	M52739FP
IC9014	PQ07VZ012ZP	IC	1	
IC9015-17	C0JBAF000405	IC	3	TC74LCX574 FTCL
IC9200,01	MNX7320DV10	IC	2	
IC9202	CXA1315M	LINEAR IC	1	
IC9204	MN84503	MOS IC	1	
IC9206	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC9207	TC74ACT244F	IC	1	
IC9209	MNX7320DV10	IC	1	
IC9211	TLC2932IPWL	LINEAR IC	1	
IC9212	TLC2933IPWL	IC	1	
IC9213,14	AN78L05M	LINEAR IC	2	
IC9215	TLC2933IPWL	IC	1	
IC9216	TC74LCX244F	MOS IC (CMOS S/LOGIC)	1	
IC9217	AN78L05M	LINEAR IC	1	
IC9223	TC74HC14AF	MOS IC (CMOS S/LOGIC)	1	
IC9302	MN82860	MOS IC	1	
IC9400	MN84502	MOS IC	1	
IC9401	TVRJ413	I.C	1	
IC9402,03	MNX7320DV10	IC	2	
IC9501	MN7E007P5B	MOS IC	1	
IC9502,03	MNX7320DV10	IC	2	
IC9506,07	MNX7320DV10	IC	2	
IC9508,09	MN7D029P5A	MOS IC	2	
IC9510,11	TC74ACT244F	IC	2	
IC9512,13	MN7D029P5A	MOS IC	2	
IC9514,15	TC74ACT244F	IC	2	
IC9516	C0ZBZ0000268	IC	1	IMIFS791BZ B
IC9701	MN102L230	IC	1	
IC9702	HM538123BJ8Z	IC	1	
IC9703	MN1382R	MOS IC (MICON LSI)	1	
IC9704	TC74ACT244F	IC	1	
IC9705	TVRJ411	I.C	1	
IC9706	S-24C16AFJ	IC	1	
IC9900	C0JBAZ001486	IC	1	XC2S50-5PQ208C
IC9901	TVRJ412	IC	1	XC17S50XL-PD8C
IC9902	TC74HCU04AF	MOS IC (CMOS S/LOGIC)	1	
IC9903-05	TC74ACT244F	IC	3	
IC9906	PST9128NR	IC (LOGIC)	1	
IC9907	C0ZBZ0000423	IC	1	IMIFS781BZ B
IC9901S	TJSB01108	IC SOCKET	1	
JK3501	TJSF41260	60P CONNECTOR	1	
JK3502	TJSF41240	CONNECTOR	1	
JK3504	K1QBB5BB0002	CONNECTOR	1	
JK3505,06	K2HA202B0025	JACK	2	
JK3507	K1QBB1AB0008	CONNECTOR	1	
JK3508	K1CB104B0031	CONNECTOR	1	
JK3509	TJS4A8390	CONNECTOR	1	
JK3511	TJS8A9880	CONNECTOR	1	
JK3512	K1FB126B0014	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8001-03	K1ZZ00001158	CONNECTOR	3	
JK8500	K4BC02B00010	TERMINAL	1	
JK8501	TJSF41160	60P CONNECTOR	1	
JK8502	TJSF41140	CONNECTOR	1	
JK9001-03	K1ZZ00001158	CONNECTOR	3	
JS1	ERDS2TC0	C 0 OHM, 1/4W	1	
JS2301	ERJ6GEY0R00	M 0 OHM, J, 1/10W	1	
JS8001-06	ERJ6GEY0R00	M 0 OHM, J, 1/10W	6	
JS8019	ERJ6GEY0R00	M 0 OHM, J, 1/10W	1	
JS8024	ERJ6GEY0R00	M 0 OHM, J, 1/10W	1	
L401	TLPF102	CHOKE COIL	1	
L402	ELF11M010E	LINE FILTER	1	△
L403	ELEXH100KA	PEAKING COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L404	G0ZZ00001922	COIL	1	
L410	EXCELSA39	BEAD CHOKE	1	
L412,13	EXCELSA39	BEAD CHOKE	2	
L414	EXCELD25C	BEAD CHOKE	1	
L415	ELC18B151E	CHOKE COIL	1	
L416	TLPF075	CHOKE COIL	1	
L417,18	TALL08N101KA	INDUCTION COIL	2	
L901	GOA143K00001	LINE CHOKE COIL	1	△
L902,03	TLPD048	LINE FILTER	2	△
L2301,02	ELC10E680	LC FILTER	2	
L2303,04	EXCELD25C	BEAD CHOKE	2	
L2306	ELJPA100KB	CHIP INDUCTOR	1	
L3501	TLK20LFA224M	EMI FILTER	1	
L3503-06	TLK212T256AL	EMI FILTER	4	
L3507-09	TLK20LFA224M	EMI FILTER	3	
L3510-13	TLK212T256AL	EMI FILTER	4	
L3516-18	TLK20LFA224M	EMI FILTER	3	
L3519-21	TLK212T256AL	EMI FILTER	3	
L3522	ELJPA100KB	CHIP INDUCTOR	1	
L3524-27	ELJPA100KB	CHIP INDUCTOR	4	
L3529-36	ELJPA100KB	CHIP INDUCTOR	8	
L6551	TSKA122	CHIP INDUCTOR	1	
L6601	TALL13N221KB	INDUCTION COIL	1	
L6602-05	TSKA158	BEAD CORE	4	
L6606-08	TSKA122	CHIP INDUCTOR	3	
L6611-16	TALL13N188MB	INDUCTION COIL	6	
L6620-39	TSKA158	BEAD CORE	20	
L6640	TSKA122	CHIP INDUCTOR	1	
L6641-45	TSKA158	BEAD CORE	5	
L6701	TALL13N221KB	INDUCTION COIL	1	
L6703,04	TSKA158	BEAD CORE	2	
L6706-08	TSKA122	CHIP INDUCTOR	3	
L6711-16	TALL13N188MB	INDUCTION COIL	6	
L6720-39	TSKA158	BEAD CORE	20	
L6740,41	TSKA122	CHIP INDUCTOR	2	
L6742-49	TSKA158	BEAD CORE	8	
L7011	TSKA122	CHIP INDUCTOR	1	
L7012,13	TSKA158	BEAD CORE	2	
L7021,22	TSKA122	CHIP INDUCTOR	2	
L7031	TSKA122	CHIP INDUCTOR	1	
L7034	TSKA122	CHIP INDUCTOR	1	
L7101-04	TSKA122	CHIP INDUCTOR	4	
L7201	TLPF098	CHOKE COIL	1	
L7202-06	TSKA122	CHIP INDUCTOR	5	
L7301	TLPF098	CHOKE COIL	1	
L7302-06	TSKA122	CHIP INDUCTOR	5	
L7401-04	TSKA122	CHIP INDUCTOR	4	
L8001-03	ELJPA100KB	CHIP INDUCTOR	3	
L8008	ELJPA100KB	CHIP INDUCTOR	1	
L8010,11	ELJPA100KB	CHIP INDUCTOR	2	
L8013	ELJPA150KB	CHIP INDUCTOR	1	
L8014	ELJPA100KB	CHIP INDUCTOR	1	
L8016-18	ELJPA100KB	CHIP INDUCTOR	3	
L8020	ELJPA100KB	CHIP INDUCTOR	1	
L8022,23	ELJPA100KB	CHIP INDUCTOR	2	
L8025,26	ELJPA100KB	CHIP INDUCTOR	2	
L8028,29	ELJPA100KB	CHIP INDUCTOR	2	
L8501,02	TLPD061	LINE FILTER	2	
L9013-15	EXCCL3225U1	EMI FILTER	3	
L9016	ELJPA100KB	CHIP INDUCTOR	1	
L9201-03	EXCCL3225U1	EMI FILTER	3	
L9205,06	EXCCL3225U1	EMI FILTER	2	
L9300	EXCCL3225U1	EMI FILTER	1	
L9400	ELJFBR33MB	CHIP INDUCTOR	1	
L9401	EXCCL3225U1	EMI FILTER	1	
L9402	ELJFBR33MB	CHIP INDUCTOR	1	
L9500-02	ELJFBR33MB	CHIP INDUCTOR	3	
L9503-06	ELJFA1R0KF	CHIP COIL	4	
L9507	TLTAZ100K	PEAKING COIL	1	
L9900	ELJFBR33MB	CHIP INDUCTOR	1	
L9901	ELJPA150KB	CHIP INDUCTOR	1	
L9902	ELKE103FA	NOISE FILTER	1	
L9903	ELJFBR33MB	CHIP INDUCTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
LC8001-03	TAXI0079	FILTER	3	
LC9004	ELKE103FA	NOISE FILTER	1	
LC9006-08	ELKE103FA	NOISE FILTER	3	
LC9012	ELKE103FA	NOISE FILTER	1	
LC9014	ELKE103FA	NOISE FILTER	1	
LC9015	J0E8004B0006	LCR FILTER	1	
LC9016	J0E1505B0002	LCR FILTER	1	
LC9017	J0E2505B0001	LCR FILTER	1	
LC9018	J0E3505B0001	LCR FILTER	1	
LC9019	J0E8004B0006	LCR FILTER	1	
LC9020	J0E1505B0002	LCR FILTER	1	
LC9021	J0E2505B0001	LCR FILTER	1	
LC9022	J0E3505B0001	LCR FILTER	1	
LC9023	J0E8004B0006	LCR FILTER	1	
LC9024	J0E1505B0002	LCR FILTER	1	
LC9025	J0E2505B0001	LCR FILTER	1	
LC9026	J0E3505B0001	LCR FILTER	1	
LC9500-02	ELKE103FA	NOISE FILTER	3	
P1	TJS3A9900	10P CONNECTOR	1	
P2	TJS3A9680	7P CONNECTOR	1	
P4	TJS8A8570	CONNECTOR	1	
P5	TJS1A8860	CONNECTOR	1	
P6	TJS1A8840	8P CONNECTOR	1	
P7	TJS1A8850	9P CONNECTOR	1	
P8	TJS1A8790	3P CONNECTOR	1	
P9	TJS158130	2P CONNECTOR	1	
P10-13	TJS3A9640	3P CONNECTOR	4	
P15	TJS6A8600	13P CONNECTOR	1	
P16	TJS5A9420	8P CONNECTOR	1	
P17	TJS1A8870	11P CONNECTOR	1	
P18	TJS6A8160	10P CONNECTOR	1	
P19	TJS6A8580	11P CONNECTOR	1	
P21	TJS6A8570	9P CONNECTOR	1	
P22	TJS5A9420	8P CONNECTOR	1	
P15A	TJS5A8850	13P CONNECTOR	1	
P16A	TJS5A8160	CONNECTOR	1	
P18A	TJS5A8520	10P CONNECTOR	1	
P19A	TJS5A8830	11P CONNECTOR	1	
P21A	TJS5A8150	9P CONNECTOR	1	
P22A	TJS5A8160	CONNECTOR	1	
Q082	2SD601A	TRANSISTOR	1	2SD601A
Q401	2SB1434R	TRANSISTOR	1	
Q402	2SK3318000LB	FET	1	
Q403	2SK1917	FET	1	
Q404	2SK3318000LB	FET	1	
Q405	2SD2177R	TRANSISTOR	1	
Q406	2SB1434R	TRANSISTOR	1	
Q407	2SK3318000LB	FET	1	
Q408	B1DEGR000011	FET	1	2SK2710A
Q409	2SC3311A	TRANSISTOR	1	
Q410	2SK2847	FET	1	
Q411	2SC1473A	TRANSISTOR	1	
Q412	2SC3311A	TRANSISTOR	1	
Q414	2SA1309A	TRANSISTOR	1	
Q415	2SC3311A	TRANSISTOR	1	
Q416	2SA1309A	TRANSISTOR	1	
Q417,18	2SC3311A	TRANSISTOR	2	
Q419	2SK1917	FET	1	
Q420	2SC1473A	TRANSISTOR	1	
Q421	2SC3311A	TRANSISTOR	1	
Q422	2SD2177R	TRANSISTOR	1	
Q600	2SC1473A	TRANSISTOR	1	
Q601	2SC3311A	TRANSISTOR	1	
Q602	2SD2177R	TRANSISTOR	1	
Q603	2SB1434R	TRANSISTOR	1	
Q604	2SA1309A	TRANSISTOR	1	
Q650,51	2SC3311A	TRANSISTOR	2	
Q730	2SB1030A	TRANSISTOR	1	
Q750	2SC3311A	TRANSISTOR	1	
Q751	2SA1309A	TRANSISTOR	1	
Q775	2SC3311A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q776	2SA1309A	TRANSISTOR	1	
Q2301-04	2SD601A	TRANSISTOR	4	2SD0601A
Q2401-06	2SD601A	TRANSISTOR	6	2SD0601A
Q3501	2SD601A	TRANSISTOR	1	2SD0601A
Q3503-13	2SD601A	TRANSISTOR	11	2SD0601A
Q3514	2SB709A	TRANSISTOR	1	
Q3515	2SD601A	TRANSISTOR	1	2SD0601A
Q3516	2SB709A	TRANSISTOR	1	
Q3517	2SD601A	TRANSISTOR	1	2SD0601A
Q3518	2SB709A	TRANSISTOR	1	
Q3519	2SD601A	TRANSISTOR	1	2SD0601A
Q3520	2SB709A	TRANSISTOR	1	
Q3521	2SD601A	TRANSISTOR	1	2SD0601A
Q3522	2SB709A	TRANSISTOR	1	
Q3523	2SD601A	TRANSISTOR	1	2SD0601A
Q3524	2SB709A	TRANSISTOR	1	
Q3525-34	2SD601A	TRANSISTOR	10	2SD0601A
Q3535	2SB709A	TRANSISTOR	1	
Q3536	2SD601A	TRANSISTOR	1	2SD0601A
Q6501	2SB940A	TRANSISTOR	1	
Q6511,12	2SK326800L	FET	2	
Q6521	FS7VS14AT11	FET	1	
Q6522-27	2SK2995	FET	6	
Q6528	2SB1571	TRANSISTOR	1	
Q6530	2SC1473A	TRANSISTOR	1	
Q6531	2SK2673	FET	1	
Q6532-37	2SK2995	FET	6	
Q6538	2SB1571	TRANSISTOR	1	
Q6539	2SB709A	TRANSISTOR	1	
Q6541-43	FS7VS14AT11	FET	3	
Q6544	2SB1440	TRANSISTOR	1	
Q6550	2SB1440	TRANSISTOR	1	
Q6601-08	2SK319200SVE	FET	8	
Q6611	2SD2402	TRANSISTOR	1	
Q6612	2SB1571	TRANSISTOR	1	
Q6613	2SD2402	TRANSISTOR	1	
Q6614	2SB1571	TRANSISTOR	1	
Q6615	2SC1473	TRANSISTOR	1	
Q6616	2SD814	TRANSISTOR	1	
Q6621-26	2SK2995	FET	6	
Q6627	2SD2402	TRANSISTOR	1	
Q6628	2SB1571	TRANSISTOR	1	
Q6629	2SD2402	TRANSISTOR	1	
Q6630	2SB1571	TRANSISTOR	1	
Q6641-44	2SK2993	FET	4	
Q6645	2SD2402	TRANSISTOR	1	
Q6646	2SB1571	TRANSISTOR	1	
Q6701-08	2SK319200SVE	FET	8	
Q6711	2SD2402	TRANSISTOR	1	
Q6712	2SB1571	TRANSISTOR	1	
Q6713	2SD2402	TRANSISTOR	1	
Q6714	2SB1571	TRANSISTOR	1	
Q6721-26	2SK2995	FET	6	
Q6727	2SD2402	TRANSISTOR	1	
Q6728	2SB1571	TRANSISTOR	1	
Q6729	2SD2402	TRANSISTOR	1	
Q6730	2SB1571	TRANSISTOR	1	
Q6741,42	2SK2993	FET	2	
Q6743	2SD2185	TRANSISTOR	1	
Q6744	2SB1571	TRANSISTOR	1	
Q6745,46	2SK326800L	FET	2	
Q6747,48	2SK2993	FET	2	
Q6751	2SD1263A	TRANSISTOR	1	
Q6752-54	2SC1473	TRANSISTOR	3	
Q7001-03	2SD2185R	TRANSISTOR	3	
Q7011	2SB709A	TRANSISTOR	1	
Q7012	2SD814	TRANSISTOR	1	
Q7021	2SB709A	TRANSISTOR	1	
Q7031	2SB709A	TRANSISTOR	1	
Q7032	2SD814	TRANSISTOR	1	
Q7034,35	2SD601A	TRANSISTOR	2	2SD0601A
Q7037	2SD814	TRANSISTOR	1	
Q7038	2SC1473	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q7301,02	2SB709A	TRANSISTOR	2	
Q8001	2SB709A	TRANSISTOR	1	
Q8002-05	2SD601A	TRANSISTOR	4	2SD0601A
Q8006	2SB709A	TRANSISTOR	1	
Q8007-09	2SD601A	TRANSISTOR	3	2SD0601A
Q8010	2SB709A	TRANSISTOR	1	
Q8012,13	2SD601A	TRANSISTOR	2	2SD0601A
Q8014,15	2SB709A	TRANSISTOR	2	
Q8016	2SD601A	TRANSISTOR	1	2SD0601A
Q8018	2SD601A	TRANSISTOR	1	2SD0601A
Q8019	2SB709A	TRANSISTOR	1	
Q8020-22	2SD601A	TRANSISTOR	3	2SD0601A
Q8030	2SD601A	TRANSISTOR	1	2SD0601A
Q8031,32	2SB709A	TRANSISTOR	2	
Q8033	2SD601A	TRANSISTOR	1	2SD0601A
Q9001-13	2SD601A	TRANSISTOR	13	2SD0601A
Q9200	2SD601A	TRANSISTOR	1	2SD0601A
Q9700	2SD601A	TRANSISTOR	1	2SD0601A
Q9702	2SD601A	TRANSISTOR	1	2SD0601A
Q9703-05	2SK620	FET	3	
R081	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R082	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R083	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R084	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R087	ERJ6GEY0R00	M 0 OHM, J, 1/10W	1	
R088	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R402	ERDS1FJ222	C 2.2KOHM, J, 1/2W	1	
R403-06	TARAFR06R8JC	F 6.8 OHM, J, 7W	4	
R407,08	ERDS1FJ824	C 820KOHM, J, 1/2W	2	
R409,10	ERG3FJS333D	M 33KOHM, J, 3W	2	
R411	ERDS1FJ221	C 220 OHM, J, 1/2W	1	
R412	ERG2FJS220D	M 22 OHM, J, 2W	1	
R415	ERDS1FJ100	C 10 OHM, J, 1/2W	1	
R416	ERDS2TJ103	C 10KOHM, J, 1/4W	1	
R417	ERDS1FJ100	C 10 OHM, J, 1/2W	1	
R418	ERDS1FJ103	C 10KOHM, J, 1/2W	1	
R419	ERDS2TJ223	C 22KOHM, J, 1/4W	1	
R420	ERDS1FJ103	C 10KOHM, J, 1/2W	1	
R421	ERF5EKR10	W 0.1 OHM, 5W	1	
R422	ERF5EKR15	W 0.15 OHM, 5W	1	
R423	ERDS1FJ101	C 100 OHM, J, 1/2W	1	
R424,25	ERG2FJS823D	M 82KOHM, J, 3W	2	
R426	EVMEASA00B24	CONTROL 20KOHMB 0.3W	1	
R427	ER0S2CKF1823	M 182KOHM, F, 1/4W	1	
R428	ER0S2CKF1503	M 150KOHM, F, 1/4W	1	
R429	ER0S2CKF1823	M 182KOHM, F, 1/4W	1	
R430	ERDS1FJ220	C 22 OHM, J, 1/2W	1	
R431	ER0S2CKF1623	M 162KOHM, F, 1/4W	1	
R432	ERDS1FJ220	C 22 OHM, J, 1/2W	1	
R433	ER0S2CKF1823	M 182KOHM, F, 1/4W	1	
R434	ER0S2CKF1623	M 162KOHM, F, 1/4W	1	
R435,36	ERDS1FJ103	C 10KOHM, J, 1/2W	2	
R437	ERDS1FJ331	C 330 OHM, J, 1/2W	1	
R438	ERG2FJS820D	M 82 OHM, J, 2W	1	
R439	ERX2FJS2R7D	M 2.7 OHM, J, 2W	1	
R440	ERX2FJSR22D	M 0.22 OHM, J, 2W	1	
R441,42	ERG5FJ473H	M 47KOHM, J, 5W	2	
R443	ERDS2TJ103	C 10KOHM, J, 1/4W	1	
R444	ERX2FJSR22D	M 0.22 OHM, J, 2W	1	
R445	ERG3FJS823D	M 82KOHM, J, 3W	1	
R446	ERG1FJS104D	M 100KOHM, J, 1W	1	
R447	ERG3FJS823D	M 82KOHM, J, 3W	1	
R449	ERDS2TJ101	C 100 OHM, J, 1/4W	1	
R450	ERX2FJSR33D	M 0.33 OHM, J, 2W	1	
R451	ERDS2TJ6R8	C 6.8 OHM, J, 1/4W	1	
R452	ERX2FJSR33D	M 0.33 OHM, J, 2W	1	
R453	ERDS2TJ561	C 560 OHM, J, 1/4W	1	
R454	ERDS2TJ6R8	C 6.8 OHM, J, 1/4W	1	
R455	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R457	D1F7220E0001	F 220 OHM, 7W	1	
R458	ERQ14AJ100P	F 10 OHM, J, 1/4W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R459	ERG3FJS103D	M 10KOHM, J, 3W	1	
R460	ERG2FJS823D	M 82KOHM, J, 3W	1	
R461	ERG2FJS183D	M 18KOHM, J, 2W	1	
R462	ERDS1TJ221	C 220 OHM, J, 1/2W	1	
R463	ERG2FJS183D	M 18KOHM, J, 2W	1	
R465	ERDS2TJ103	C 10KOHM, J, 1/4W	1	
R466	ERDS2TJ332	C 3.3KOHM, J, 1/4W	1	
R467	ERDS2TJ223	C 22KOHM, J, 1/4W	1	
R468	ERDS1TJ391	C 390 OHM, J, 1/2W	1	
R469	ERG3FJS823D	M 82KOHM, J, 3W	1	
R470	ERDS2TJ101	C 100 OHM, J, 1/4W	1	
R471	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R472, 73	ERDS2TJ104	C 100KOHM, J, 1/4W	2	
R474, 75	ERG2FJS471D	M 470 OHM, J, 2W	2	
R476	EROS2CKF1102	M 11KOHM, F, 1/4W	1	
R477	ERDS2TJ223	C 22KOHM, J, 1/4W	1	
R478	EROS2CKF2551	M2.55KOHM, F, 1/4W	1	
R479	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R480	ERG2FJS472D	M 4.7KOHM, J, 2W	1	
R482	ERDS2TJ472	C 4.7KOHM, J, 1/4W	1	
R485	ERDS2TJ103	C 10KOHM, J, 1/4W	1	
R487	ERDS2TJ223	C 22KOHM, J, 1/4W	1	
R489	EROS2CKF3651	M3.65KOHM, F, 1/4W	1	
R490	EROS2CKF3830	M 383 OHM, F, 1/4W	1	
R491	ERDS2TJ511	C 510 OHM, J, 1/4W	1	
R492	ERDS2TJ104	C 100KOHM, J, 1/4W	1	
R493	ERDS2TJ220	C 22 OHM, J, 1/4W	1	
R494	EROS2CKF4531	M4.53KOHM, F, 1/4W	1	
R495	EROS2CKF3830	M 383 OHM, F, 1/4W	1	
R496	EROS2CKF4702	M 47KOHM, F, 1/4W	1	
R497	EROS2CKF2202	M 22KOHM, F, 1/4W	1	
R498	EVMEASA00B54	CONTROL 50KOHMB	1	
R499	ERDS2TJ222	C 2.2KOHM, J, 1/4W	1	
R500	ERDS2TJ223	C 22KOHM, J, 1/4W	1	
R501	EROS2CKF1691	M1.69KOHM, F, 1/4W	1	
R502	ERDS2TJ472	C 4.7KOHM, J, 1/4W	1	
R503, 04	ERDS2TJ103	C 10KOHM, J, 1/4W	2	
R505	ERGLFJS683D	M 68KOHM, J, 1W	1	
R506	ERDS2TJ223	C 22KOHM, J, 1/4W	1	
R508	ERDS2TJ470	C 47 OHM, J, 1/4W	1	
R509	EROS2CKF4421	M4.42KOHM, F, 1/4W	1	
R510, 11	ERDS2TJ104	C 100KOHM, J, 1/4W	2	
R512	ERDS2TJ472	C 4.7KOHM, J, 1/4W	1	
R513	ERDS2TJ511	C 510 OHM, J, 1/4W	1	
R514	ERDS2TJ220	C 22 OHM, J, 1/4W	1	
R516	ERDS2TJ332	C 3.3KOHM, J, 1/4W	1	
R518	EROS2CKF5602	M 56KOHM, F, 1/4W	1	
R519	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R520	EROS2CKF2491	M2.49KOHM, F, 1/4W	1	
R521	ERDS2TJ103	C 10KOHM, J, 1/4W	1	
R522	ERDS2TJ104	C 100KOHM, J, 1/4W	1	
R523	ERDS2TJ473	C 47KOHM, J, 1/4W	1	
R524	ERQ14AJ100P	F 10 OHM, J, 1/4W	1	
R525-28	ERDS2TJ223	C 22KOHM, J, 1/4W	4	
R529	ERDS2TJ471	C 470 OHM, J, 1/4W	1	
R530	ERQ14AJ100P	F 10 OHM, J, 1/4W	1	
R531	ERDS2TJ102	C 1KOHM, J, 1/4W	1	
R532	ERDS1FJ100	C 10 OHM, J, 1/2W	1	
R600, 01	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	2	
R602	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R603	ERJ6ENF1800	M 180 OHM, 1/10W	1	
R604	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R605	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R606	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R607	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R608	ERJ6GEYJ683	M 68KOHM, J, 1/10W	1	
R609	ERJ6GEYJ154	M 150KOHM, J, 1/10W	1	
R610	ERJ6GEYJ273	M 27KOHM, J, 1/10W	1	
R611	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R613	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R614	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R615	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R616	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R617	ERD25FJ102	C 1KOHM, J, 1/4W	1	
R619	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R621	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R622	ERJ6ENF6811	M6.81KOHM, 1/10W	1	
R624	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R625	EVMEGSA00B54	CONTROL 50KOHMB	1	
R626	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R627	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R628	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R629	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R631	ERJ6ENF2491	M2.49KOHM, 1/10W	1	
R632	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R633, 34	ERJ6GEYJ823	M 82KOHM, J, 1/10W	2	
R635	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R636	ERD25FJ221	C 220 OHM, J, 1/4W	1	
R637	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R638	ERD25FJ221	C 220 OHM, J, 1/4W	1	
R640	ERJ6ENF2000	M 200 OHM, 1/10W	1	
R650	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R651	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R652, 53	ERJ6GEYJ333	M 33KOHM, J, 1/10W	2	
R654	ERGLFJS561D	M 560 OHM, J, 1W	1	
R655	ERD25FJ471	C 470 OHM, J, 1/4W	1	
R656	ERJ6GEYJ303	M 30KOHM, J, 1/10W	1	
R657	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R658	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R659	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R661	ERD25FJ822	C 8.2KOHM, J, 1/4W	1	
R662	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	1	
R663	ERX12SJ4R7	M 4.7 OHM, J, 1/2W	1	
R664	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R665	ERGLFJS100D	M 10 OHM, J, 1W	1	
R666	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R667	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R668, 69	ERJ6GEYJ303	M 30KOHM, J, 1/10W	2	
R700	ERJ6GEYJ391	M 390 OHM, J, 1/10W	1	
R701	ERD25FJ330	C 33 OHM, J, 1/4W	1	
R703	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R704	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R705	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R706	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R707	ERJ6GEYJ125	M 1.2KOHM, J, 1/10W	1	
R708	ERJ6GEYJ241	M 240 OHM, J, 1/10W	1	
R709	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R710	ERJ6GEYJ561	M 560 OHM, J, 1/10W	1	
R711	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R712	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R713, 14	ERJ6ENF1501	M 1.5KOHM, 1/10W	2	
R715	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R716	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R717	ERJ6ENF6201	M 6.2KOHM, 1/10W	1	
R718, 19	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R720	ERD25FJ472	C 4.7KOHM, J, 1/4W	1	
R721	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R722	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R750	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R751	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R752	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R753	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R754	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R755	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R756	ERJ6ENF1913	M 191KOHM, 1/10W	1	
R758	ERJ6GEYJ154	M 150KOHM, J, 1/10W	1	
R759	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R760	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R761	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R762	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R763	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R764	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R765	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R766	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R767	ERJ6ENF2003	M 200KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R768	ERJ6ENF6192	M 61.9KOHM, 1/10W	1	
R769,70	ERJ6ENF1003	M 100KOHM, 1/10W	2	
R775,76	ERD25FJ223	C 22KOHM, J,1/4W	2	
R777	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R778	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R779-82	ERJ6GEYJ103	M 10KOHM, J,1/10W	4	
R783	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R784	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R785,86	ERJ6GEYJ103	M 10KOHM, J,1/10W	2	
R787	ERJ6GEYJ473	M 47KOHM, J,1/10W	1	
R788	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R789	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R900,01	ERC12ZGK105	S 1MOHM, K,1/2W	2	
R1554,55	ERJ6GEYJ222	M 2.2KOHM, J,1/10W	2	
R2301	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2304	ERJ6GEYJ473	M 47KOHM, J,1/10W	1	
R2307	ERJ6GEYJ683	M 68KOHM, J,1/10W	1	
R2308	ERJ6GEYJ473	M 47KOHM, J,1/10W	1	
R2309	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2310	ERJ6GEYJ562	M 5.6KOHM, J,1/10W	1	
R2319,20	ERJ6GEYJ561	M 560 OHM, J,1/10W	2	
R2321	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2322,23	ERJ6GEYJ102	M 1KOHM, J,1/10W	2	
R2324,25	ERJ6GEYJ561	M 560 OHM, J,1/10W	2	
R2326	ERJ6GEYJ123	M 12KOHM, J,1/10W	1	
R2327	ERJ6GEYJ752	M 7.5KOHM, J,1/10W	1	
R2328	ERJ6GEYJ683	M 68KOHM, J,1/10W	1	
R2329,30	ERJ6GEYJ332	M 3.3KOHM, J,1/10W	2	
R2331	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2332	ERJ6GEYJ182	M 1.8KOHM, J,1/10W	1	
R2334	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2335,36	ERJ6GEYJ123	M 12KOHM, J,1/10W	2	
R2341	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2342	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2343	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2344	ERJ6GEY0R00	M 0 OHM, J,1/10W	1	
R2405	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R2408	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2410	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2411	ERJ6GEYJ393	M 39KOHM, J,1/10W	1	
R2412	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R2416	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R2417	ERJ6GEYJ243	M 24KOHM, J,1/10W	1	
R2418,19	ERJ6GEYJ154	M 150KOHM, J,1/10W	2	
R2420	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2421	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2422	ERJ6GEYJ222	M 2.2KOHM, J,1/10W	1	
R2423	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R2424	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R2425	ERJ6GEYJ223	M 22KOHM, J,1/10W	1	
R2426	ERJ6GEYJ753	M 75KOHM, J,1/10W	1	
R2427	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2428,29	ERJ6GEYJ102	M 1KOHM, J,1/10W	2	
R2430	ERJ6GEYJ473	M 47KOHM, J,1/10W	1	
R2431	ERJ6GEYJ123	M 12KOHM, J,1/10W	1	
R2432-34	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	3	
R2435	ERJ6GEYJ683	M 68KOHM, J,1/10W	1	
R2436,37	ERJ6GEYJ103	M 10KOHM, J,1/10W	2	
R2439	ERJ6GEYJ563	M 56KOHM, J,1/10W	1	
R2440	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R2441	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R2443	ERJ6GEYJ563	M 56KOHM, J,1/10W	1	
R2444	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R2445	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2446	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R2448	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R2450	ERJ6GEYJ563	M 56KOHM, J,1/10W	1	
R2452	ERJ6GEYJ473	M 47KOHM, J,1/10W	1	
R2453	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2456	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R2460	ERJ6ENF1802	M 18KOHM, 1/10W	1	
R2461,62	ERJ6GEYJ101	M 100 OHM, J,1/10W	2	
R2463	ERJ6ENF1502	M 15KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R2466	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R2467	ERJ6GEYJ224	M 220KOHM, J,1/10W	1	
R2468	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2469	ERJ6GEYJ222	M 2.2KOHM, J,1/10W	1	
R2470	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2471	ERJ6GEYJ182	M 1.8KOHM, J,1/10W	1	
R2472	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	1	
R2473	ERJ6GEYJ182	M 1.8KOHM, J,1/10W	1	
R2476,77	ERJ6GEYJ220	M 22 OHM, J,1/10W	2	
R3501,02	ERJ6GEYJ184	M 180KOHM, J,1/10W	2	
R3503-05	ERJ6ENF75R0	M 68 OHM, 1/10W	3	
R3506-09	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	4	
R3510-12	ERJ6GEYJ101	M 100 OHM, J,1/10W	3	
R3513,14	ERJ6GEYJ184	M 180KOHM, J,1/10W	2	
R3515-18	ERJ6GEYJ560	M 56 OHM, J,1/10W	4	
R3520	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3521,22	ERJ6GEYJ184	M 180KOHM, J,1/10W	2	
R3523	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3524,25	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	2	
R3526-28	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3529,30	ERJ6GEYJ184	M 180KOHM, J,1/10W	2	
R3531-33	ERJ6ENF75R0	M 75 OHM, 1/10W	3	
R3534	ERJ6GEYJ104	M 100KOHM, J,1/10W	1	
R3535	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R3536	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3537,38	ERJ6GEY0R00	M 0 OHM, J,1/10W	2	
R3539	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3540	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3543-48	ERJ6GEYJ101	M 100 OHM, J,1/10W	6	
R3549	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3550	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3551	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R3553	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3555	ERJ6GEYJ102	M 1KOHM, J,1/10W	1	
R3556,57	ERJ6GEYJ101	M 100 OHM, J,1/10W	2	
R3558	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3559	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3560	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3561,62	ERJ6GEYJ101	M 100 OHM, J,1/10W	2	
R3563	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3564	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3565	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3566	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3567	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3568	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3569	ERJ6GEYJ103	M 10KOHM, J,1/10W	1	
R3570	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3571	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3572	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3573	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3574	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3575	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3576	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3577	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3578	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3579	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3580	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3581	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3582	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3583,84	ERJ6GEYJ103	M 10KOHM, J,1/10W	2	
R3585,86	ERJ6GEYJ560	M 56 OHM, J,1/10W	2	
R3587	ERJ6GEYJ101	M 100 OHM, J,1/10W	1	
R3589	ERJ6GEYJ473	M 47KOHM, J,1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM, J,1/10W	1	
R3592-97	ERJ6GEYJ102	M 1KOHM, J,1/10W	6	
R3599-04	ERJ6GEYJ101	M 100 OHM, J,1/10W	6	
R3605	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3606	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3607	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3608	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3609	ERJ6GEYJ153	M 15KOHM, J,1/10W	1	
R3610	ERJ6GEYJ333	M 33KOHM, J,1/10W	1	
R3611-22	ERJ6GEYJ472	M 4.7KOHM, J,1/10W	12	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3623-25	ERJ6GEYJ102	M 1KOHM,J,1/10W	3	
R3626-37	ERJ6GEYJ3R3	M 3.3KOHM,J,1/10W	12	
R3638-40	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R3641	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3642	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3643	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3644	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3645	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3646	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3647	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3648	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3649	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3650	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3651	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3652	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3653	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3657-64	ERJ6GEYJ102	M 1KOHM,J,1/10W	8	
R3665-72	ERJ6GEYJ101	M 100 OHM,J,1/10W	8	
R3673-75	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	3	
R3676-78	ERJ6GEYJ561	M 560 OHM,J,1/10W	3	
R3679	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R3681-83	ERJ6GEYJ331	M 330 OHM,J,1/10W	3	
R3684	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R3686,87	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	2	
R3688-91	ERJ6GEYJ221	M 220 OHM,J,1/10W	4	
R3695,96	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R3697	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3698	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3699	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R3700	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R3701,02	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	
R3703	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3704	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R3705,06	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R3707	ERJ6GEYJ221	M 220 OHM,J,1/10W	1	
R3708	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R3709	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3710	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R3711	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R3712	ERJ6GEYJ561	M 560 OHM,J,1/10W	1	
R3713-17	ERJ6GEYJ101	M 100 OHM,J,1/10W	5	
R3725	ERJ6GEYJ560	M 56 OHM,J,1/10W	1	
R3726-28	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R3730	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R3731	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3732-39	ERJ6GEYJ103	M 10KOHM,J,1/10W	8	
R3740	ERJ6GEYJ0R00	M 0 OHM,J,1/10W	1	
R3742-48	ERJ6GEYJ103	M 10KOHM,J,1/10W	7	
R3750,51	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R3752	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R3753-59	ERJ6GEYJ101	M 100 OHM,J,1/10W	7	
R3761-77	ERJ6GEYJ101	M 100 OHM,J,1/10W	17	
R3778	ERJ6GEYJ473	M 47KOHM,J,1/10W	1	
R3779-81	ERJ6GEYJ0R00	M 6.8 OHM,J,1/10W	3	
R6401-08	ERJ6GEYJ221	M 220 OHM,J,1/10W	8	
R6411-18	ERJ6GEYJ0R00	M 0 OHM,J,1/10W	8	
R6501	ERG3FJS821D	M 820 OHM, J, 3W	1	
R6502	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	1	
R6503	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6504-06	ERJ6GEYJ473	M 47KOHM,J,1/10W	3	
R6511	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6512	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6514	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6515	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6516	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6521	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6523	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6524	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6525	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6526	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6527,28	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R6529	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6531	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6532	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6533	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6535	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6536	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6538	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6539	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6541	ERJ6GEYJ470	M 47 OHM,J,1/10W	1	
R6542-44	ERJ6GEYJ224	M 220KOHM,J,1/10W	3	
R6545-47	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	3	
R6550	ERG1FJS332D	M 3.3KOHM, J, 1W	1	
R6551,52	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6553	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6554	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6555	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R6556	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	1	
R6557	ERJ6GEYJ154	M 150KOHM,J,1/10W	1	
R6558,59	ERJ6GEYJ471	M 470 OHM,J,1/10W	2	
R6561	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6562	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6563	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6564	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6565	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6566	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6567	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6568	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6569	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6570	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6571	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6572	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6573	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6574	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6575	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R6576	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R6577,78	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	2	
R6579,80	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6581	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6582	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6583,84	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6585	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R6586-89	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R6590	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	1	
R6591	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6592,93	ERJ6GEYJ334	M 330KOHM,J,1/10W	2	
R6594,95	ERJ6GEYJ102	M 1KOHM,J,1/10W	2	
R6596	ERJ6GEYJ334	M 330KOHM,J,1/10W	1	
R6597	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R6598	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R6605,06	ERJ6GEYJ473	M 47KOHM,J,1/10W	2	
R6607	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6608	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6611-18	ERJ6GEYJ100	M 10 OHM,J,1/10W	8	
R6619-26	ERJ6GEYJ101	M 100 OHM,J,1/10W	8	
R6627,28	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6629,30	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6631,32	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6633,34	ERX2FJS1R5D	M 1.5 OHM, J, 2W	2	
R6635	ERJ6GEYJ224	M 220KOHM,J,1/10W	1	
R6636	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6641-52	ERJ6GEYJ100	M 10 OHM,J,1/10W	12	
R6653,54	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R6655,56	ERJ6GEYJ100	M 10 OHM,J,1/10W	2	
R6657,58	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R6661-64	ERJ6GEYJ470	M 47 OHM,J,1/10W	4	
R6665	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R6666-68	ERJ6GEYJ101	M 100 OHM,J,1/10W	3	
R6670	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R6671-82	ERJ6GEYJ471	M 470 OHM,J,1/10W	12	
R6683-94	ERJ6GEYJ5R6	M 5.6 OHM,J,1/10W	12	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6708,09	ERX2FJS1R5D	M 1.5 OHM, J, 2W	2	
R6711-18	ERJ6GEYJ100	M 10 OHM, J, 1/10W	8	
R6719-26	ERJ6GEYJ101	M 100 OHM, J, 1/10W	8	
R6727,28	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6729,30	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6731,32	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6736	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6740	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6741-52	ERJ6GEYJ100	M 10 OHM, J, 1/10W	12	
R6753,54	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6755,56	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6757,58	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6759	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6761,62	ERJ6GEYJ470	M 47 OHM, J, 1/10W	2	
R6764-68	ERJ6GEYJ101	M 100 OHM, J, 1/10W	5	
R6769	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	1	
R6772,73	ERJ6GEYJ470	M 47 OHM, J, 1/10W	2	
R6774	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6775	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6776	ERJ14YJ223H	M 22KOHM, 1/4W	1	
R6777,78	ERJ12YJ470H	M 47 OHM, 1/2W	2	
R6779,80	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6781,82	ERJ14YJ223H	M 22KOHM, 1/4W	2	
R6783	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6784,85	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6786	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R6787	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R6788,89	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	2	
R6790	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6791,92	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6793-98	ERJ6GEYJ471	M 470 OHM, J, 1/10W	6	
R7001	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R7004	ERX2FJS2R2D	M 2.2 OHM, J, 2W	1	
R7010,11	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	2	
R7012	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R7013	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R7014	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R7015,16	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R7017	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7018	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R7019	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R7020,21	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	2	
R7022	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R7023	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R7024	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R7025-27	ERJ6GEYJ104	M 100KOHM, J, 1/10W	3	
R7028	ERJ6GEYJ393	M 39KOHM, J, 1/10W	1	
R7029	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R7030,31	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	2	
R7032	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R7033	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R7034	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R7035,36	ERJ6GEYJ104	M 100KOHM, J, 1/10W	2	
R7037	ERJ6GEYJ274	M 270KOHM, J, 1/10W	1	
R7038	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
R7039	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R7040	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R7041	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R7042	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R7043-45	ERJ6GEYJ103	M 10KOHM, J, 1/10W	3	
R7048	ERJ6ENF1003	M 100KOHM, 1/10W	1	
R7049-51	ERJ6ENF3321	M3.32KOHM, 1/10W	3	
R7052	ERX1FJS8R2D	M 8.2 OHM, J, 1W	1	
R7101	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7102	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7103-05	ERJ12YJ220H	M 22 OHM, 1/2W@	3	
R7107-09	ERJ12YJ220H	M 22 OHM, 1/2W@	3	
R7201	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7202	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7203-10	ERJ12YJ220H	M 22 OHM, 1/2W@	8	
R7303	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7304	ERJ6GEY0R00	M 0 OHM, J, 1/10W	1	
R7305-12	ERJ12YJ220H	M 22 OHM, 1/2W@	8	
R7313-16	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R7317	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R7403	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7405-07	ERJ12YJ220H	M 22 OHM, 1/2W@	3	
R7409-11	ERJ12YJ220H	M 22 OHM, 1/2W@	3	
R7412	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R8003	ERJ6GEYJ184	M 180KOHM, J, 1/10W	1	
R8004	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R8005	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R8006	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R8007	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R8008	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R8009	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R8010	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R8011	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R8012	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R8013	ERJ6ENF4301	M 4.3KOHM, J, 1/10W	1	
R8014	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R8015	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R8016	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R8017	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R8018	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R8019	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R8020	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R8021	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R8022	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	
R8023	ERJ6ENF5621	M5.62KOHM, 1/10W	1	
R8024	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	1	
R8025-27	ERJ6ENF1201	M 1.2KOHM, 1/10W	3	
R8028	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R8029	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R8030	ERJ6GEYJ330	M 33 OHM, J, 1/10W	1	
R8031	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R8032	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R8033-35	ERJ6GEYJ331	M 330 OHM, J, 1/10W	3	
R8036	ERJ6ENF2210	M 221 OHM, 1/10W	1	
R8037	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R8038	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R8039	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R8040	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R8041	ERJ6ENF75R0	M 75 OHM, 1/10W	1	
R8043	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R8044	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R8045	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R8046	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R8047	ERJ6ENF4700	M 470 OHM, 1/10W	1	
R8048	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R8049	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R8050	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R8051	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R8052	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R8053	ERJ6ENF2210	M 221 OHM, 1/10W	1	
R8054	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R8055	ERJ6ENF2210	M 221 OHM, 1/10W	1	
R8056	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R8057	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R8058	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R8061	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R8063	ERJ6GEYJ563	M 56KOHM, J, 1/10W	1	
R8064	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R8065	ERJ6ENF2210	M 221 OHM, 1/10W	1	
R8066	ERJ6GEYJ331	M 330 OHM, J, 1/10W	1	
R8067	ERJ6ENF2210	M 221 OHM, 1/10W	1	
R8068	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R8069	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	
R8070	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R8071	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R8072	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R8073	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8074	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R8075	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8077	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R8078	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R8080	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R8081	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R8082	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R8083	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R8084	ERJ6ENFJ210	M 221 OHM, 1/10W	1	
R8085	ERJ6GEYJ822	M 8.2KOHM,J,1/10W	1	
R8086	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R8087,88	ERJ6GEYJ271	M 270 OHM,J,1/10W	2	
R8089	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R8090	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R8091	ERJ6GEYJ271	M 270 OHM,J,1/10W	1	
R8092	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R8093,94	ERJ6GEYJ210	M 100 OHM,J,1/10W	2	
R8095	ERJ6GEYJ681	M 680 OHM,J,1/10W	1	
R8098	ERJ6GEYJ320	M 33 OHM,J,1/10W	1	
R8100	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R8101	ERJ6GEYJ153	M 15KOHM,J,1/10W	1	
R8103	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8113	EXB38V330J	RESISTOR ARRAY	1	
R8114	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	1	
R8116	EXB38V330J	RESISTOR ARRAY	1	
R8117	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	1	
R8118	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R8120	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R8121	ERJ6GEYJ330	M 33 OHM,J,1/10W	1	
R8122	EXB38V330J	RESISTOR ARRAY	1	
R8124	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8125	ERJ6GEYJ330	M 33 OHM,J,1/10W	1	
R8126	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R8128	EXB38V330J	RESISTOR ARRAY	1	
R8129	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R8130	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8131,32	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R8133,34	ERJ6GEYJ101	M 100 OHM,J,1/10W	2	
R8135	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R8136	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R8138	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R8139	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R8140	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R8141	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8142	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R8143-45	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	3	
R8146	ERJ6GEYJ471	M 470 OHM,J,1/10W	1	
R8175	ERJ6GEYJ333	M 33KOHM,J,1/10W	1	
R8176	ERJ6GEYJ183	M 18KOHM,J,1/10W	1	
R8181	ERJ6GEYJ181	M 180 OHM,J,1/10W	1	
R8182	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R8183	ERJ6GEYJ331	M 330 OHM,J,1/10W	1	
R8185	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R8186,87	ERJ6GEYJ561	M 560 OHM,J,1/10W	2	
R8188	ERJ6GEY0R00	M 0 OHM,J,1/10W	1	
R8189,90	ERJ6GEYJ220	M 22 OHM,J,1/10W	2	
R8191	ERJ6GEYJ180	M 18 OHM,J,1/10W	1	
R8194	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8196	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R8197,98	ERJ6GEYJ103	M 10KOHM,J,1/10W	2	
R8200	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	1	
R8201	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R8205	ERJ6GEYJ103	M 10KOHM,J,1/10W	1	
R8221,22	ERJ6GEYJ331	M 100 OHM,J,1/10W	2	
R8225-28	ERJ6GEYJ103	M 10KOHM,J,1/10W	4	
R8231-37	EXB38V330J	RESISTOR ARRAY	7	
R8238-43	EXB38V104J	RESISTOR ARRAY	6	
R8251,52	ERJ6GEYJ331	M 330 OHM,J,1/10W	2	
R8276,77	EXB38V104J	RESISTOR ARRAY	2	
R8278	ERJ6GEYJ220	M 22 OHM,J,1/10W	1	
R8280	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	1	
R8332	ERJ6GEYJ151	M 150 OHM,J,1/10W	1	
R8428	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8429	ERJ6GEYJ330	M 33 OHM,J,1/10W	1	
R8430-32	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8434	ERJ6GEYJ563	M 56KOHM,J,1/10W	1	
R8435	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R8612	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8614	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8617	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R9000-05	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
R9006-11	ERJ6ENF1500	M 150 OHM, 1/10W	6	
R9012	ERJ6ENF5111	M5.11KOHM, 1/10W	1	
R9013	ERJ6ENF1911	M1.91KOHM, 1/10W	1	
R9014	ERJ6ENF5111	M5.11KOHM, 1/10W	1	
R9015	ERJ6ENF1911	M1.91KOHM, 1/10W	1	
R9016	ERJ6ENF5111	M5.11KOHM, 1/10W	1	
R9017	ERJ6ENF1911	M1.91KOHM, 1/10W	1	
R9018	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9019	ERJ6ENF7500	M 750 OHM, 1/10W	1	
R9020	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9021	ERJ6ENF7500	M 750 OHM, 1/10W	1	
R9022	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9023	ERJ6ENF7500	M 750 OHM, 1/10W	1	
R9024-26	ERJ6ENF1201	M 1.2KOHM, 1/10W	3	
R9027-38	ERJ3GEYJ181	M 180 OHM,J,1/16W	12	
R9039-47	ERJ3GEYJ102	M 1KOHM,J,1/16W	9	
R9048	TAJAAH0101JV	M 10 OHM,J,1/16W	1	
R9049,50	TAJAAH0220JV	M 22 OHM,J,1/16W	2	
R9051-62	ERJ6ENF1800	M 180 OHM, 1/10W	12	
R9063-74	ERJ6ENF1801	M 1.8KOHM, 1/10W	12	
R9075-77	TAJAAH0100JV	M 10 OHM,J,1/16W	3	
R9078-89	ERJ6ENF1800	M 180 OHM, 1/10W	12	
R9090-01	ERJ3GEYJ221	M 220 OHM,J,1/16W	12	
R9102	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9103-05	ERJ3GEYJ101	M 100 OHM, 1/16W	3	
R9106	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9108	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R9109	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9110	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R9111	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9112	ERJ6ENF5100	M 510 OHM, 1/10W	1	
R9113	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9116	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9117	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9118	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9120-25	ERJ3GEYJ221	M 220 OHM,J,1/16W	6	
R9126	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9127	ERJ3GEYJ681	M 1KOHM,J,1/16W	1	
R9128	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9131	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9132-34	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	3	
R9135	EXB38V151J	RESISTOR ARRAY	1	
R9136-38	ERJ6ENF2701	M 2.7KOHM, 1/10W	3	
R9139	EXB38V151J	RESISTOR ARRAY	1	
R9140	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9141	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9143	EXB38V151J	RESISTOR ARRAY	1	
R9147	EXB38V151J	RESISTOR ARRAY	1	
R9151	EXB38V151J	RESISTOR ARRAY	1	
R9155	EXB38V151J	RESISTOR ARRAY	1	
R9159-62	TAJAAH0101JV	M 100 OHM,J,1/16W	4	
R9163	TAJAAH0680JV	M 68 OHM,J,1/16W	1	
R9164,65	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9166	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9167	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9169-71	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9173	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9176,77	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9178	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9179-83	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R9185	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9186	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9187	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9200,01	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9202,03	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9204,05	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9206,07	TAJAAH0560JV	M 56 OHM,J,1/16W	2	
R9208-11	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9212	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9213	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9215	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9216	ERJ6ENF6201	M 6.2KOHM, 1/10W	1	
R9217	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9218	ERJ3GEYJ153	M 15KOHM,J,1/16W	1	
R9220,21	TAJAAH0220JV	M 22 OHM,J,1/16W	2	
R9222	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9225	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9226,27	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9228	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9229	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9230-35	ERJ3GEYJ103	M 10KOHM,J,1/16W	6	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9238,39	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9240	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9241	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9242	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9243	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9244	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9245	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9246,47	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9248	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9249	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9250,51	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	2	
R9253	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9255	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9256	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R9258	ERJ3GEYJ221	M 220 OHM,J,1/16W	1	
R9259	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9260	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9261,62	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9263,64	TAJAAH0330JV	M 33 OHM,J,1/16W	2	
R9269	ERJ3GEYJ684	M 680KOHM,J,1/16W	1	
R9274	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9277	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9279	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9282,83	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9284	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9285,86	TAJAAH0100JV	M 10 OHM,J,1/16W	2	
R9287	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9288	ERJ3GEYJ684	M 680KOHM,J,1/16W	1	
R9289	ERJ3GEYJ681	M 680 OHM,J,1/16W	1	
R9290	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9291	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9292	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R9293	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9294,95	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9296	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9307	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9308	TAJAAH0100JV	M 10 OHM,J,1/16W	1	
R9309,10	TAJAAH0220JV	M 22 OHM,J,1/16W	2	
R9313	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9333,34	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9341,42	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9347,48	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9350,51	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9400	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9403	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9404	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9405	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9406-08	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9409,10	TAJAAH0220JV	M 22 OHM,J,1/16W	2	
R9416,17	EXB38V103J	RESISTOR ARRAY	2	
R9423,24	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9505	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9506-08	TAJAAH0220JV	M 22 OHM,J,1/16W	3	
R9511-14	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9517-20	ERJ3GEY0R00	M 0 OHM, 1/16W	4	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9521-23	TAJAAH0101JV	M 100 OHM,J,1/16W	3	
R9528,29	EXB38V151J	RESISTOR ARRAY	2	
R9530	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9531-46	EXB38V151J	RESISTOR ARRAY	16	
R9547,48	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9549	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9550	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9551,52	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9553	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9554	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9555,56	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9558	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9559	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9561,62	EXB38V151J	RESISTOR ARRAY	2	
R9563-66	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R9567-88	EXB38V151J	RESISTOR ARRAY	22	
R9589	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9590,91	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9592	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9593	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9594,95	ERJ3GEYJ151	M 150 OHM,J,1/16W	2	
R9596	TAJAAH0470JV	M 47 OHM,J,1/16W	1	
R9597	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9598,99	TAJAAH0470JV	M 47 OHM,J,1/16W	2	
R9600	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9601-08	EXB38V103J	RESISTOR ARRAY	8	
R9636,37	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9640	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9641	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9646	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9647	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9648	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9649	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9700	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9701	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R9702,03	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9706,07	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9708-10	ERJ3GEYJ102	M 1KOHM,J,1/16W	3	
R9711	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9712,13	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9714	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9715,16	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9717	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9718	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9719	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9721,22	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9724,25	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9726	TAJAAH0560JV	M 56 OHM,J,1/16W	1	
R9727	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9728	TAJAAH0560JV	M 56 OHM,J,1/16W	1	
R9729	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9730	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9731	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9732	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9733-36	ERJ3GEYJ103	M 10KOHM,J,1/16W	4	
R9737-40	TAJAAH0560JV	M 56 OHM,J,1/16W	4	
R9741	ERJ6ENF1002	M 10KOHM, 1/10W	1	
R9742	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9743	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9744-47	ERJ3GEYJ102	M 1KOHM,J,1/16W	4	
R9748,49	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9750,51	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9752,53	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9754	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9755,56	TAJAAH0101JV	M 100 OHM,J,1/16W	2	
R9757	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9758,59	ERJ3GEYJ102	M 1KOHM,J,1/16W	2	
R9761	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9762	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9763	TAJAAH0560JV	M 56 OHM,J,1/16W	1	
R9765	TAJAAH0560JV	M 56 OHM,J,1/16W	1	
R9767	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9768	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9769	ERJ3GEYJ152	M 1.5KOHM,J,1/16W	1	
R9770	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R9771	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	1	
R9772	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9776,77	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9778	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9779	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9782	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9783	TAJAAH0101JV	M 100 OHM,J,1/16W	1	
R9784,85	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9786	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9788,89	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R9850	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9851,52	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R9862	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9865	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9870	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9872,73	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9874,75	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	2	
R9876	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9877	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9880	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9885	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9889	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9891,92	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9902	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9903,04	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9905	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9917	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9919	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9928	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9933	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9937	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9940	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	1	
R9944-46	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R9947	TAJAAH0220JV	M 22 OHM,J,1/16W	1	
R9948	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	1	
R9951	ERJ3GEYJ105	M 1MOHM,J,1/16W	1	
R9955	EXB38V151J	RESISTOR ARRAY	1	
R9959	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
R9960,61	EXB38V151J	RESISTOR ARRAY	2	
R9962-65	EXB38V103J	RESISTOR ARRAY	4	
R9966,67	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R9968	EXB38V151J	RESISTOR ARRAY	1	
R9969	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R9972	EXB38V151J	RESISTOR ARRAY	1	
R9975	ERJ3GEY0R00	M 1KOHM,J,1/16W	1	
R9976	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R9977-79	ERJ3GEYJ103	M 10KOHM,J,1/16W	3	
R9980	ERJ3GEYJ151	M 150 OHM,J,1/16W	1	
RL401	TSEH0005	RELAY	1	△
RL402	TSEH0025	RELAY	1	△
RM001	PNA4601M05TV	REMOCO RECEIVER	1	
S061	TSE4GD0001	POWER SWITCH	1	
S701	EVQRDSL12	SWITCH	1	
S1554-56	EVQPB05R	SWITCH	3	
SC20	K1KA10A00266	CONNECTOR	1	
SC21	K1KA11A00078	CONNECTOR	1	
SC22,23	TJS3A9680	7P CONNECTOR	2	
SC41-44	TJSF41240	CONNECTOR	4	
SD1-D3	K1MN80B00001	1P CONNECTOR	3	
SS1	TJS3A9900	10P CONNECTOR	1	
SS8	TJS1A8790	3P CONNECTOR	1	
SS22	TJS1A8790	3P CONNECTOR	1	
SS33	TJS1A8870	11P CONNECTOR	1	
SS34	TJS1A8790	3P CONNECTOR	1	
SS40	TJS5A8620	7P CONNECTOR	1	
SS41-46	TJSF41013	13P CONNECTOR	6	
SS47	TJS5A8620	7P CONNECTOR	1	
SS48,49	TJS5A8630	7P CONNECTOR	2	
SU1-U3	K1MN80B00001	1P CONNECTOR	3	
T400	G4D4A0000012	SWITCHING TRANS	1	△

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
T401	ETS42BN163AD	SWITCHING TRANS	1	△
T402	ETS25AD186AG	SWITCHING TRANS	1	△
T7001-03	ETE19K130AY	TRANS	3	
V34	K1KA08B00005	8P CONNECTOR	1	
X3501	TSS9028-N	CRYSTAL	1	
X8001	TSSA115	CRYSTAL	1	
X8003	TSSA072	CRYSTAL	1	
X9500	H1A8405B0001	CRYSTAL	1	
X9701	TSSA081	CRYSTAL	1	
X9900	TSS9038-B	CRYSTAL	1	